

| Plate 1 | | | | | | | | |
|--------------|-------|-------|-----------|-------|-----------|-----------|-----|-----|
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0 | 0 | 0 | | No | No | | |
| Inactivated | 0.2 | 0.118 | 0.082 | | No | No | | |
| Sub negative | 0.022 | 0.013 | 0.009 | | No | No | | |
| 100% | 0.535 | 0.082 | 0.453 | | 5 | 5 | | |
| 60% | 0.421 | 0.082 | 0.339 | | 4 | 4 | | |
| 30% | 0.329 | 0.083 | 0.246 | | 3 | 3 | | |
| 10% | 0.197 | 0.054 | 0.143 | | 2 | 2 | | |
| A1 | 0.265 | 0.078 | 0.187 | 18.2 | 3 | 3 | 41 | F |
| A2 | 0.387 | 0.154 | 0.233 | 31.7 | 3 | 3 | 2 | M |
| A3 | 0.556 | 0.099 | 0.457 | 97.5 | 4 | 4 | 28 | F |
| A4 | 0.587 | 0.104 | 0.483 | 105.2 | 4 | 4 | 37 | F |
| A5 | 0.469 | 0.137 | 0.332 | 60.8 | 4 | 4 | 37 | F |
| A6 | 0.466 | 0.177 | 0.289 | 48.2 | 3 | 3 | 60 | F |
| A7 | 0.429 | 0.129 | 0.3 | 51.4 | 3 | 3 | 30 | M |
| A8 | 0.272 | 0.101 | 0.171 | 13.5 | 3 | 3 | 60 | F |
| A9 | 0.39 | 0.104 | 0.286 | 47.3 | 3 | 3 | 55 | F |
| A10 | 0.393 | 0.098 | 0.295 | 49.9 | 3 | 3 | 75 | F |
| A11 | 0.686 | 0.154 | 0.532 | 119.6 | 5 | 5 | 45 | M |
| A12 | 0.409 | 0.112 | 0.297 | 50.5 | 3 | 3 | 54 | F |
| A13 | 0.203 | 0.014 | 0.189 | 18.8 | 3 | 3 | 53 | F |
| A14 | 0.36 | 0.109 | 0.251 | 37.0 | 3 | 3 | 46 | F |
| A15 | 0.568 | 0.262 | 0.306 | 53.2 | 3 | 3 | 39 | M |
| A16 | 0.99 | 0.316 | 0.674 | 161.3 | 5 | 5 | 35 | F |
| A17 | 0.317 | 0.096 | 0.221 | 28.2 | 3 | 3 | 63 | F |
| A18 | 0.623 | 0.164 | 0.459 | 98.1 | 4 | 4 | 59 | F |
| A19 | 0.452 | 0.051 | 0.401 | 81.1 | 4 | 4 | 76 | F |
| A20 | 0.524 | 0.07 | 0.454 | 96.7 | 4 | 4 | 75 | F |
| A21 | 0.396 | 0.027 | 0.369 | 71.7 | 4 | 4 | 45 | F |
| A22 | 0.369 | 0.113 | 0.256 | 38.5 | 3 | 3 | 58 | M |
| A23 | 0.711 | 0.185 | 0.526 | 117.8 | 4 | 4 | 74 | F |
| A24 | 0.291 | 0.079 | 0.212 | 25.5 | 3 | 3 | 64 | F |
| A25 | 0.907 | 0.138 | 0.769 | 189.2 | 6 | 6 | 21 | F |
| A26 | 0.509 | 0.146 | 0.363 | 69.9 | 4 | 4 | 55 | F |
| A27 | 0.786 | 0.521 | 0.265 | 41.1 | 3 | 3 | 52 | M |
| A28 | 0.672 | 0.132 | 0.54 | 121.9 | 5 | 5 | 50 | F |
| A29 | 0.891 | 0.546 | 0.345 | 64.6 | 4 | 4 | 4 | F |
| A30 | 0.367 | 0.07 | 0.297 | 50.5 | 3 | 3 | 43 | M |
| A31 | 0.434 | 0.136 | 0.298 | 50.8 | 3 | 3 | 43 | F |
| A32 | 0.369 | 0.051 | 0.318 | 56.7 | 3 | 3 | 38 | F |
| A33 | 0.399 | 0.067 | 0.332 | 60.8 | 4 | 4 | 66 | F |
| A34 | 0.29 | 0.115 | 0.175 | 14.7 | 3 | 3 | 46 | M |
| A35 | 0.493 | 0.077 | 0.416 | 85.5 | 5 | 5 | 49 | M |
| A36 | 0.227 | 0.056 | 0.171 | 13.5 | 3 | 3 | 69 | F |
| A37 | 0.358 | 0.058 | 0.3 | 51.4 | 3 | 3 | 56 | F |
| A38 | 0.346 | 0.093 | 0.253 | 37.6 | 3 | 3 | 37 | F |
| A39 | 0.281 | 0.059 | 0.222 | 28.5 | 3 | 3 | 38 | F |
| A40 | 0.335 | 0.053 | 0.282 | 46.1 | 3 | 3 | 63 | F |
| A41 | 0.393 | 0.073 | 0.32 | 57.3 | 3 | 3 | 52 | F |
| A42 | 0.412 | 0.131 | 0.281 | 45.8 | 3 | 3 | 11m | M |
| A43 | 0.181 | 0.052 | 0.129 | 1.1 | 2 | 2 | 62 | M |
| A44 | 0.274 | 0.076 | 0.198 | 21.4 | 3 | 3 | 45 | F |
| A45 | 0.265 | 0.057 | 0.208 | 24.4 | 3 | 3 | 67 | F |
| A46 | 0.454 | 0.108 | 0.346 | 64.9 | 4 | 4 | 50 | F |
| A47 | 0.242 | 0.067 | 0.175 | 14.7 | 3 | 3 | 77 | M |
| A48 | 0.259 | 0.055 | 0.204 | 23.2 | 3 | 3 | 38 | M |
| A49 | 0.456 | 0.069 | 0.387 | 77.0 | 4 | 4 | 35 | F |
| A50 | 0.387 | 0.119 | 0.268 | 42.0 | 3 | 3 | 51 | F |
| A51 | 0.302 | 0.081 | 0.221 | 28.2 | 3 | 3 | 52 | F |
| A52 | 0.376 | 0.046 | 0.33 | 60.2 | 4 | 4 | 40 | M |
| A53 | 0.397 | 0.032 | 0.365 | 70.5 | 4 | 4 | 50 | F |
| A54 | 0.381 | 0.065 | 0.316 | 56.1 | 4 | 4 | 20 | F |
| A55 | 0.192 | 0.036 | 0.156 | 9.1 | 2 | 2 | 67 | F |
| A56 | 0.753 | 0.055 | 0.698 | 168.4 | 6 | 6 | 37 | F |
| A57 | 0.618 | 0.08 | 0.538 | 121.3 | 5 | 5 | 33 | F |
| A58 | 0.506 | 0.125 | 0.381 | 75.2 | 4 | 4 | 25 | M |
| A59 | 0.424 | 0.083 | 0.341 | 63.4 | 4 | 4 | 76 | F |

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| A60 | 0.412 | 0.087 | 0.325 | 58.7 | 3 | 3 | 69 | F |
| A61 | 0.414 | 0.083 | 0.331 | 60.5 | 4 | 4 | 65 | F |
| A62 | 0.411 | 0.12 | 0.291 | 48.8 | 3 | 3 | 55 | M |
| A63 | 0.316 | 0.093 | 0.223 | 28.8 | 3 | 3 | 65 | F |
| A64 | 0.353 | 0.129 | 0.224 | 29.1 | 3 | 3 | 60 | F |
| A65 | 0.254 | 0.085 | 0.169 | 12.9 | 3 | 3 | 58 | F |
| A66 | 0.385 | 0.102 | 0.283 | 46.4 | 3 | 3 | 47 | F |
| A67 | 0.29 | 0.071 | 0.219 | 27.6 | 3 | 3 | 61 | F |
| A68 | 0.407 | 0.094 | 0.313 | 55.2 | 3 | 3 | 49 | F |
| A69 | 0.741 | 0.062 | 0.679 | 162.8 | 6 | 6 | 47 | M |
| A70 | 0.275 | 0.09 | 0.185 | 17.6 | 3 | 3 | 2\12 | M |
| A71 | 0.434 | 0.139 | 0.295 | 49.9 | 3 | 3 | 68 | F |
| A72 | 0.239 | 0.041 | 0.198 | 21.4 | 3 | 3 | 26 | F |
| A73 | 0.448 | 0.116 | 0.332 | 60.8 | 4 | 4 | 4 | F |
| A74 | 0.692 | 0.102 | 0.59 | 136.6 | 4 | 4 | 46 | F |
| A75 | 0.483 | 0.225 | 0.258 | 39.1 | 3 | 3 | 66 | M |
| A76 | 0.493 | 0.084 | 0.409 | 83.4 | 5 | 5 | 23 | F |
| A77 | 0.416 | 0.176 | 0.24 | 33.8 | 3 | 3 | 2y6m | F |
| A78 | 0.263 | 0.1 | 0.163 | 11.1 | 3 | 3 | 64 | F |
| A79 | 0.77 | 0.109 | 0.661 | 157.5 | 5 | 5 | 33 | F |
| A80 | 0.54 | 0.298 | 0.242 | 34.4 | 3 | 3 | 63 | F |
| A81 | 0.638 | 0.155 | 0.483 | 105.2 | 5 | 5 | 60 | F |
| A82 | 0.506 | 0.101 | 0.405 | 82.3 | 5 | 5 | 66 | F |
| A83 | 0.291 | 0.076 | 0.215 | 26.4 | 3 | 3 | 71 | M |
| A84 | 0.199 | 0.073 | 0.126 | 0.3 | 1 | 1 | 49 | F |
| A85 | 0.196 | 0.068 | 0.128 | 0.9 | 1 | 1 | 11 | M |
| A86 | 0.461 | 0.07 | 0.391 | 78.1 | 4 | 4 | 21 | F |
| A87 | 0.411 | 0.111 | 0.3 | 51.4 | 3 | 3 | 10 | F |
| | | | | | | | | |
| Plate 2 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0 | 0 | 0 | | No | No | | |
| Inactivated | 0.293 | 0.108 | 0.185 | | No | No | | |
| sub negative | 0.004 | 0 | 0.004 | | No | No | | |
| 100% | 0.588 | 0.083 | 0.505 | | 5 | 5 | | |
| 60% | 0.437 | 0.084 | 0.353 | | 4 | 4 | | |
| 30% | 0.335 | 0.076 | 0.259 | | 3 | 3 | | |
| 10% | 0.247 | 0.08 | 0.167 | | 2 | 2 | | |
| A88 | 0.346 | 0.169 | 0.177 | 11.0 | 3 | 3 | 47 | F |
| A89 | 0.795 | 0.1 | 0.695 | 151.3 | 5 | 5 | 48 | M |
| A90 | 0.53 | 0.172 | 0.358 | 60.0 | 4 | 4 | 65 | M |
| A91 | 0.353 | 0.017 | 0.336 | 54.1 | 4 | 4 | 66 | F |
| A92 | 0.283 | 0.088 | 0.195 | 15.7 | 3 | 3 | 48 | F |
| A93 | 1.061 | 0.307 | 0.754 | 167.3 | 6 | 6 | 56 | F |
| A94 | 0.346 | 0.053 | 0.293 | 42.4 | 3 | 3 | 46 | F |
| A95 | 0.343 | 0.108 | 0.235 | 26.7 | 3 | 3 | 36 | F |
| A96 | 0.454 | 0.175 | 0.279 | 38.6 | 3 | 3 | 1 | F |
| A97 | 0.277 | 0.062 | 0.215 | 21.3 | 3 | 3 | 19 | F |
| A98 | 0.674 | 0.373 | 0.301 | 44.6 | 3 | 3 | 35 | M |
| A99 | 0.462 | 0.118 | 0.344 | 56.2 | 3 | 3 | 32 | F |
| A100 | 0.763 | 0.077 | 0.686 | 148.9 | 5 | 5 | 55 | F |
| A101 | 0.315 | 0.096 | 0.219 | 22.4 | 3 | 3 | 59 | F |
| A102 | 0.81 | 0.052 | 0.758 | 168.4 | 6 | 6 | 32 | F |
| A103 | 0.32 | 0.052 | 0.268 | 35.6 | 3 | 3 | 22 | F |
| A104 | 0.556 | 0.116 | 0.44 | 82.2 | 4 | 4 | 11 | F |
| A105 | 0.579 | 0.142 | 0.437 | 81.4 | 4 | 4 | 48 | M |
| A106 | 0.352 | 0.092 | 0.26 | 33.5 | 3 | 3 | 45 | F |
| A107 | 0.428 | 0.049 | 0.379 | 65.7 | 4 | 4 | 2 | F |
| A108 | 0.609 | 0.031 | 0.578 | 119.6 | 5 | 5 | 22 | M |
| A109 | 0.561 | 0.054 | 0.507 | 100.4 | 4 | 4 | 17 | M |
| A110 | 0.399 | 0.031 | 0.368 | 62.7 | 4 | 4 | 58 | F |
| A111 | 0.512 | 0.068 | 0.444 | 83.3 | 4 | 4 | 17 | F |
| A112 | 0.486 | 0.132 | 0.354 | 58.9 | 4 | 4 | 40 | M |
| A113 | 0.35 | 0.076 | 0.274 | 37.3 | 3 | 3 | 48 | F |
| A114 | 0.712 | 0.109 | 0.603 | 126.4 | 5 | 5 | 57 | M |
| A115 | 0.452 | 0.052 | 0.4 | 71.4 | 3 | 4 | 53 | M |
| A116 | 0.279 | 0.08 | 0.199 | 16.9 | 3 | 3 | 50 | F |
| A117 | 0.732 | 0.447 | 0.285 | 40.2 | 3 | 3 | 51 | F |

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| A118 | 0.505 | 0.046 | 0.459 | 87.4 | 4 | 4 | 52 | F |
| A119 | 0.316 | 0.075 | 0.241 | 28.3 | 3 | 3 | 22 | F |
| A120 | 0.422 | 0.131 | 0.291 | 41.9 | 3 | 3 | 53 | F |
| A121 | 0.376 | 0.074 | 0.302 | 44.9 | 3 | 3 | 22 | M |
| A122 | 0.437 | 0.093 | 0.344 | 56.2 | 3 | 3 | 48 | F |
| A123 | 0.394 | 0.063 | 0.331 | 52.7 | 3 | 3 | 35 | F |
| A124 | 0.55 | 0.103 | 0.447 | 84.1 | 4 | 4 | 32 | M |
| A125 | 0.691 | 0.428 | 0.263 | 34.3 | 3 | 3 | 4 | F |
| A126 | 0.218 | 0.06 | 0.158 | 5.8 | 2 | 2 | 67 | F |
| A127 | 0.322 | 0.089 | 0.233 | 26.2 | 3 | 3 | 35 | F |
| A128 | 0.582 | 0.145 | 0.437 | 81.4 | 4 | 4 | 6 | F |
| A129 | 0.302 | 0.114 | 0.188 | 14.0 | 3 | 3 | 30 | F |
| A130 | 0.545 | 0.08 | 0.465 | 89.0 | 4 | 4 | 23 | M |
| A131 | 0.508 | 0.102 | 0.406 | 73.0 | 4 | 4 | 36 | F |
| A132 | 0.289 | 0.062 | 0.227 | 24.5 | 3 | 3 | 43 | F |
| A133 | 0.393 | 0.058 | 0.335 | 53.8 | 3 | 3 | 73 | F |
| A134 | 0.773 | 0.053 | 0.72 | 158.1 | 6 | 6 | 68 | F |
| A135 | 0.334 | 0.092 | 0.242 | 28.6 | 3 | 3 | 61 | M |
| A136 | 0.541 | 0.214 | 0.327 | 51.6 | 4 | 4 | 62 | M |
| A137 | 0.595 | 0.312 | 0.283 | 39.7 | 3 | 3 | 48 | F |
| A138 | 0.537 | 0.105 | 0.432 | 80.1 | 4 | 4 | 14 | F |
| A139 | 0.202 | 0.038 | 0.164 | 7.5 | 2 | 2 | 48 | F |
| A140 | 0.17 | 0.029 | 0.141 | 1.2 | 2 | 2 | 64 | M |
| A141 | 0.39 | 0.037 | 0.353 | 58.7 | 4 | 4 | 57 | F |
| A142 | 0.158 | 0.019 | 0.139 | 0.7 | 1 | 1 | 51 | M |
| A143 | 0.738 | 0.349 | 0.389 | 68.4 | 4 | 4 | 37 | M |
| A144 | 0.527 | 0.211 | 0.316 | 48.6 | 4 | 4 | 45 | F |
| A145 | 0.378 | 0.091 | 0.287 | 40.8 | 3 | 3 | 53 | F |
| A146 | 0.609 | 0.205 | 0.404 | 72.5 | 4 | 4 | 48 | M |
| A147 | 0.496 | 0.21 | 0.286 | 40.5 | 3 | 3 | 39 | F |
| A148 | 0.357 | 0.074 | 0.283 | 39.7 | 3 | 3 | 34 | F |
| A149 | 0.437 | 0.086 | 0.351 | 58.1 | 4 | 4 | 29 | M |
| A150 | 0.677 | 0.062 | 0.615 | 129.7 | 5 | 5 | 32 | F |
| A151 | 0.422 | 0.14 | 0.282 | 39.4 | 3 | 3 | 35 | F |
| A152 | 0.266 | 0.089 | 0.177 | 11.0 | 3 | 3 | 60 | M |
| A153 | 0.328 | 0.117 | 0.211 | 20.2 | 3 | 3 | 66 | F |
| A154 | 0.47 | 0.162 | 0.308 | 46.5 | 3 | 3 | 56 | F |
| A155 | 0.433 | 0.092 | 0.341 | 55.4 | 4 | 4 | 57 | M |
| A156 | 0.42 | 0.154 | 0.266 | 35.1 | 3 | 3 | 61 | F |
| A157 | 0.76 | 0.08 | 0.68 | 147.3 | 5 | 5 | 32 | F |
| A158 | 0.961 | 0.361 | 0.6 | 125.6 | 4 | 5 | 4 | M |
| A159 | 0.589 | 0.304 | 0.285 | 40.2 | 3 | 3 | 42 | F |
| A160 | 0.561 | 0.157 | 0.404 | 72.5 | 4 | 4 | 65 | F |
| A161 | 0.365 | 0.109 | 0.256 | 32.4 | 3 | 3 | 32 | M |
| A162 | 0.972 | 0.273 | 0.699 | 152.4 | 5 | 5 | 1y6m | F |
| A163 | 0.379 | 0.127 | 0.252 | 31.3 | 3 | 3 | 60 | F |
| A164 | 0.674 | 0.1 | 0.574 | 118.6 | 4 | 4 | 2y3m | M |
| A165 | 0.861 | 0.1 | 0.761 | 169.2 | 6 | 6 | 42 | F |
| A166 | 1.01 | 0.205 | 0.805 | 181.2 | 5 | 6 | 36 | F |
| A167 | 0.239 | 0.077 | 0.162 | 6.9 | 2 | 2 | 70 | F |
| A168 | 0.864 | 0.232 | 0.632 | 134.3 | 5 | 5 | 34 | M |
| A169 | 0.412 | 0.122 | 0.29 | 41.6 | 3 | 3 | 52 | F |
| A170 | 0.334 | 0.131 | 0.203 | 18.0 | 3 | 3 | 66 | F |
| A171 | 0.258 | 0.081 | 0.177 | 11.0 | 3 | 3 | 9\12 | F |
| A172 | 0.365 | 0.089 | 0.276 | 37.8 | 3 | 3 | 16 | F |
| A173 | 0.21 | 0.058 | 0.152 | 4.2 | 2 | 2 | 33 | F |
| A174 | 0.256 | 0.079 | 0.177 | 11.0 | 3 | 3 | 60 | F |
| | | | | | | | | |
| Plate 3 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0 | 0 | 0 | | No | No | | |
| Inactivated | 0.246 | 0.118 | 0.128 | | No | No | | |
| Sub negative | 0.006 | 0.003 | 0.003 | | No | No | | |
| 100% | 0.609 | 0.087 | 0.522 | | 5 | 5 | | |
| 60% | 0.522 | 0.096 | 0.426 | | 4 | 4 | | |
| 30% | 0.325 | 0.012 | 0.313 | | 3 | 3 | | |
| 10% | 0.285 | 0.043 | 0.242 | | 2 | 2 | | |
| A175 | 0.482 | 0.118 | 0.364 | 46.3 | 4 | 4 | 23 | F |

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| A176 | 0.411 | 0.086 | 0.325 | 34.0 | 3 | 3 | 33 | F |
| A177 | 0.241 | 0.004 | 0.237 | 6.3 | 2 | 2 | 43 | M |
| A178 | 0.273 | 0.043 | 0.23 | 4.1 | 2 | 2 | 34\12 | F |
| A179 | 0.735 | 0.213 | 0.522 | 96.1 | 5 | 5 | 9 | M |
| A180 | 0.325 | 0.071 | 0.254 | 11.6 | 3 | 3 | 21 | M |
| A181 | 0.337 | 0.021 | 0.316 | 31.2 | 3 | 3 | 33 | F |
| A182 | 0.371 | 0.032 | 0.339 | 38.4 | 3 | 3 | 45 | F |
| A183 | 0.353 | 0.031 | 0.322 | 33.1 | 3 | 3 | 57 | M |
| A184 | 0.229 | 0.01 | 0.219 | 0.6 | 1 | 1 | 73 | F |
| A185 | 0.342 | 0.019 | 0.323 | 33.4 | 3 | 3 | 38 | F |
| A186 | 0.591 | 0.074 | 0.517 | 94.5 | 5 | 5 | 63 | F |
| A187 | 0.415 | 0.079 | 0.336 | 37.5 | 4 | 4 | 55 | M |
| A188 | 0.302 | 0.026 | 0.276 | 18.6 | 3 | 3 | 42 | F |
| | | | | | | | | |
| Plate 4 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0 | 0 | 0 | | No | No | | |
| Inactivated | 0.139 | 0.089 | 0.05 | | No | No | | |
| Sub negative | 0.777 | 0.684 | 0.093 | | No | No | | |
| 100% | 0.592 | 0.066 | 0.526 | | 5 | 5 | | |
| 60% | 0.29 | 0.066 | 0.224 | | 3 | 3 | | |
| 30% | 0.208 | 0.087 | 0.121 | | 2 | 2 | | |
| 10% | 0.163 | 0.074 | 0.089 | | 2 | 2 | | |
| A189 | 0.334 | 0.056 | 0.278 | 57.2 | 3 | 3 | 9months | F |
| A190 | 0.32 | 0.088 | 0.232 | 48.5 | 3 | 3 | 16 | F |
| A191 | 0.353 | 0.052 | 0.301 | 61.6 | 4 | 4 | 67 | F |
| A192 | 0.361 | 0.079 | 0.282 | 58.0 | 3 | 3 | 8 | F |
| A193 | 0.808 | 0.529 | 0.279 | 57.4 | 5 | 5 | 28 | F |
| A194 | 0.275 | 0.086 | 0.189 | 40.3 | 3 | 3 | 61 | F |
| A195 | 0.498 | 0.078 | 0.42 | 84.1 | 4 | 4 | 34 | F |
| A196 | 0.849 | 0.488 | 0.361 | 72.9 | 6 | 6 | 40 | F |
| A197 | 0.437 | 0.07 | 0.367 | 74.1 | 4 | 4 | 41 | F |
| A198 | 1.103 | 0.295 | 0.808 | 157.7 | 6 | 6 | 44 | M |
| A199 | 0.259 | 0.122 | 0.137 | 30.5 | 3 | 3 | 58 | F |
| A200 | 0.231 | 0.067 | 0.164 | 35.6 | 3 | 3 | 45 | M |
| A201 | 0.242 | 0.035 | 0.207 | 43.7 | 3 | 4 | 46 | F |
| A202 | 0.23 | 0.042 | 0.188 | 40.1 | 3 | 3 | 29 | F |
| A203 | 0.222 | 0.067 | 0.155 | 33.9 | 3 | 3 | 4months | F |
| A204 | 0.261 | 0.055 | 0.206 | 43.6 | 4 | 4 | 60 | F |
| A205 | 0.275 | 0.09 | 0.185 | 39.6 | 3 | 3 | 2 | F |
| A206 | 0.353 | 0.031 | 0.322 | 65.5 | 4 | 4 | 6 | F |
| A207 | 0.295 | 0.13 | 0.165 | 35.8 | 3 | 3 | yrn 10mnth | F |
| A208 | 0.561 | 0.072 | 0.489 | 97.2 | 6 | 6 | 35 | M |
| A209 | 0.339 | 0.073 | 0.266 | 54.9 | 3 | 3 | 31 | F |
| A210 | 0.392 | 0.121 | 0.271 | 55.9 | 3 | 3 | 54 | F |
| A211 | 0.939 | 0.074 | 0.865 | 168.5 | 7 | 7 | 60 | M |
| A212 | 0.486 | 0.094 | 0.392 | 78.8 | 4 | 4 | 58 | F |
| A213 | 0.361 | 0.037 | 0.324 | 65.9 | 3 | 4 | 17 | F |
| A214 | 0.336 | 0.056 | 0.28 | 57.6 | 3 | 3 | 36 | F |
| A215 | 0.461 | 0.047 | 0.414 | 83.0 | 4 | 4 | 40 | F |
| A216 | 0.278 | 0.038 | 0.24 | 50.0 | 3 | 2 | 4 | F |
| A217 | 0.478 | 0.076 | 0.402 | 80.7 | 4 | 4 | 33 | F |
| A218 | 0.322 | 0.076 | 0.246 | 51.1 | 3 | 4 | 66 | M |
| A219 | 0.444 | 0.051 | 0.393 | 79.0 | 4 | 4 | 4 | F |
| A220 | 0.361 | 0.078 | 0.283 | 58.2 | 5 | 5 | 63 | M |
| A221 | 0.315 | 0.028 | 0.287 | 58.9 | 5 | 5 | 50 | F |
| A222 | 0.337 | 0.075 | 0.262 | 54.2 | 4 | 4 | 53 | F |
| A223 | 0.186 | 0.079 | 0.107 | 24.8 | 2 | 2 | 23 | M |
| A224 | 0.327 | 0.06 | 0.267 | 55.1 | 3 | 3 | 42 | F |
| A225 | 0.327 | 0.149 | 0.178 | 38.2 | 3 | 3 | 42 | F |
| A226 | 0.345 | 0.117 | 0.228 | 47.7 | 3 | 3 | 68 | M |
| A227 | 0.558 | 0.084 | 0.474 | 94.4 | 4 | 4 | 30 | F |
| A228 | 0.417 | 0.054 | 0.363 | 73.3 | 4 | 4 | 21 | M |
| A229 | 1.07 | 0.419 | 0.651 | 127.9 | 6 | 6 | 38 | M |
| A230 | 0.467 | 0.068 | 0.399 | 80.1 | 4 | 4 | 35 | F |
| A231 | 0.217 | 0.052 | 0.165 | 35.8 | 2 | 2 | 45 | F |
| A232 | 0.455 | 0.076 | 0.379 | 76.3 | 4 | 4 | 42 | F |
| A233 | 0.489 | 0.085 | 0.404 | 81.1 | 5 | 5 | 2 | M |

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| A234 | 0.547 | 0.38 | 0.167 | 36.2 | 5 | 5 | 37 | M |
| A235 | 0.489 | 0.103 | 0.386 | 77.7 | 5 | 5 | 59 | M |
| A236 | 0.523 | 0.042 | 0.481 | 95.7 | 5 | 5 | 49 | F |
| A237 | 0.364 | 0.075 | 0.289 | 59.3 | 3 | 3 | 49 | F |
| A238 | 0.187 | 0.071 | 0.116 | 26.5 | 2 | 2 | 48 | F |
| A239 | 0.336 | 0.072 | 0.264 | 54.5 | 3 | 3 | 54 | F |
| A240 | 0.468 | 0.095 | 0.373 | 75.2 | 4 | 4 | 51 | F |
| A241 | 0.578 | 0.089 | 0.489 | 97.2 | 5 | 5 | 54 | F |
| A242 | 0.736 | 0.07 | 0.666 | 130.8 | 6 | 6 | 50 | F |
| A243 | 0.34 | 0.089 | 0.251 | 52.1 | 3 | 3 | 60 | F |
| A244 | 0.285 | 0.089 | 0.196 | 41.7 | 3 | 3 | 34 | F |
| A245 | 0.578 | 0.065 | 0.513 | 101.7 | 4 | 4 | 53 | M |
| A246 | 0.306 | 0.069 | 0.237 | 49.4 | 3 | 3 | 53 | F |
| A247 | 0.444 | 0.072 | 0.372 | 75.0 | 4 | 4 | 38 | F |
| A248 | 0.616 | 0.086 | 0.53 | 105.0 | 5 | 5 | 16 | F |
| A249 | 0.191 | 0.074 | 0.117 | 26.7 | 2 | 2 | 65 | F |
| A250 | 0.629 | 0.094 | 0.535 | 105.9 | 5 | 5 | 43 | F |
| A251 | 0.478 | 0.292 | 0.186 | 39.8 | 4 | 4 | 33 | F |
| A252 | 0.348 | 0.12 | 0.228 | 47.7 | 3 | 3 | 51 | F |
| A253 | 0.848 | 0.076 | 0.772 | 150.8 | 6 | 6 | 55 | F |
| A254 | 0.95 | 0.064 | 0.886 | 172.5 | 7 | 7 | 28 | M |
| A255 | 0.451 | 0.11 | 0.341 | 69.1 | 4 | 4 | 14 | M |
| A256 | 0.552 | 0.158 | 0.394 | 79.2 | 4 | 4 | 68 | M |
| A257 | 0.61 | 0.104 | 0.506 | 100.4 | 5 | 5 | 26 | F |
| A258 | 0.315 | 0.109 | 0.206 | 43.6 | 3 | 3 | 60 | M |
| A259 | 0.369 | 0.154 | 0.215 | 45.3 | 3 | 3 | 60 | M |
| A260 | 0.337 | 0.188 | 0.149 | 32.8 | 2 | 3 | 41 | F |
| A261 | 1.111 | 0.257 | 0.854 | 166.4 | 7 | 7 | 59 | F |
| A262 | 0.837 | 0.63 | 0.207 | 43.7 | 6 | 6 | 50 | F |
| A263 | 0.315 | 0.085 | 0.23 | 48.1 | 4 | 3 | 70 | F |
| A264 | 0.511 | 0.097 | 0.414 | 83.0 | 5 | 5 | 70 | F |
| A265 | 0.272 | 0.075 | 0.197 | 41.8 | 3 | 3 | 50 | F |
| A266 | 0.673 | 0.104 | 0.569 | 112.4 | 5 | 5 | 25 | M |
| A267 | 0.324 | 0.085 | 0.239 | 49.8 | 3 | 3 | 31 | F |
| A268 | 0.556 | 0.187 | 0.369 | 74.5 | 4 | 4 | 55 | F |
| A269 | 0.751 | 0.078 | 0.673 | 132.1 | 6 | 6 | 44 | M |
| A270 | 0.545 | 0.067 | 0.478 | 95.1 | 5 | 5 | 30 | F |
| A271 | 0.558 | 0.085 | 0.473 | 94.2 | 5 | 5 | 18 | M |
| A272 | 0.292 | 0.067 | 0.225 | 47.2 | 3 | 3 | 1yr n 3m | M |
| Plate 5 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0 | 0 | 0 | | No | No | | |
| Inactivated | 0.112 | 0.081 | 0.031 | | No | No | | |
| Sub negative | 0.188 | 0.102 | 0.086 | | No | No | | |
| 100% | 0.735 | 0.109 | 0.626 | | 6 | 6 | | |
| 60% | 0.374 | 0.063 | 0.311 | | 4 | 4 | | |
| 30% | 0.25 | 0.068 | 0.182 | | 3 | 3 | | |
| 10% | 0.181 | 0.017 | 0.164 | | 2 | 2 | | |
| A273 | 0.904 | 0.215 | 0.689 | 115.0 | 7 | 7 | 79 | F |
| A274 | 0.698 | 0.245 | 0.453 | 73.4 | 6 | 6 | 63 | M |
| A275 | 0.249 | 0.051 | 0.198 | 28.3 | 3 | 3 | 37 | F |
| A276 | 1.193 | 0.264 | 0.929 | 157.4 | 7 | 7 | 3y6m | M |
| A277 | 1.368 | 0.426 | 0.942 | 159.7 | 7 | 7 | 52 | F |
| A278 | 0.628 | 0.046 | 0.582 | 96.1 | 5 | 5 | 47 | F |
| A279 | 0.354 | 0.108 | 0.246 | 36.8 | 3 | 3 | 60 | M |
| A280 | 0.599 | 0.081 | 0.518 | 84.8 | 5 | 5 | 67 | F |
| A281 | 0.554 | 0.049 | 0.505 | 82.5 | 4 | 4 | 67 | M |
| A282 | 0.712 | 0.269 | 0.443 | 71.6 | 5 | 5 | 57 | F |
| A283 | 0.387 | 0.057 | 0.33 | 51.6 | 3 | 3 | 52 | F |
| A284 | 0.489 | 0.122 | 0.367 | 58.2 | 4 | 4 | 54 | F |
| A285 | 0.266 | 0.052 | 0.214 | 31.1 | 3 | 3 | 56 | F |
| A286 | 0.851 | 0.1 | 0.751 | 126.0 | 6 | 6 | 58 | F |
| A287 | 0.454 | 0.1 | 0.354 | 55.9 | 4 | 4 | 47 | F |
| A288 | 0.673 | 0.058 | 0.615 | 102.0 | 5 | 5 | 11 | F |
| A289 | 1.228 | 0.225 | 1.003 | 170.5 | 7 | 7 | 29 | M |
| A290 | 0.645 | 0.047 | 0.598 | 99.0 | 5 | 5 | 60 | F |
| A291 | 0.447 | 0.05 | 0.397 | 63.5 | 4 | 4 | 61 | F |

| | | | | | | | | |
|----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A292 | 0.872 | 0.114 | 0.758 | 127.2 | 6 | 6 | 65 | M |
| A293 | 0.376 | 0.018 | 0.358 | 56.6 | 4 | 4 | 28 | F |
| A294 | 0.376 | 0.101 | 0.275 | 41.9 | 4 | 4 | 86 | M |
| A295 | 0.567 | 0.032 | 0.535 | 87.8 | 4 | 4 | 63 | F |
| A296 | 0.421 | 0.033 | 0.388 | 61.9 | 4 | 4 | 56 | F |
| A297 | 0.59 | 0.138 | 0.452 | 73.2 | 5 | 5 | 33 | F |
| A298 | 0.909 | 0.123 | 0.786 | 132.2 | 6 | 6 | 60 | F |
| A299 | 0.785 | 0.083 | 0.702 | 117.3 | 6 | 6 | 49 | F |
| A300 | 0.504 | 0.076 | 0.428 | 68.9 | 5 | 5 | 40 | F |
| A301 | 0.302 | 0.082 | 0.22 | 32.2 | 3 | 3 | 55 | F |
| A302 | 0.536 | 0.029 | 0.507 | 82.9 | 4 | 4 | 21 | F |
| A303 | 0.452 | 0.063 | 0.389 | 62.1 | 5 | 5 | 56 | M |
| A304 | 0.354 | 0.078 | 0.276 | 42.1 | 3 | 3 | 64 | M |
| A305 | 0.61 | 0.059 | 0.551 | 90.7 | 4 | 4 | 49 | F |
| A306 | 0.47 | 0.025 | 0.445 | 71.9 | 5 | 5 | 38 | F |
| A307 | 0.368 | 0.037 | 0.331 | 51.8 | 3 | 3 | 63 | M |
| A308 | 0.456 | 0.031 | 0.425 | 68.4 | 5 | 5 | 74 | M |
| A309 | 0.509 | 0.024 | 0.485 | 79.0 | 4 | 4 | 62 | F |
| A310 | 0.453 | 0.067 | 0.386 | 61.5 | 4 | 4 | 74 | F |
| A311 | 0.484 | 0.081 | 0.403 | 64.5 | 4 | 4 | 64 | M |
| A312 | 0.72 | 0.105 | 0.615 | 102.0 | 5 | 5 | 65 | F |
| A313 | 0.582 | 0.032 | 0.55 | 90.5 | 5 | 5 | 65 | F |
| A314 | 0.363 | 0.022 | 0.341 | 53.6 | 3 | 3 | 62 | F |
| A315 | 0.259 | 0.019 | 0.24 | 35.7 | 3 | 3 | 61 | F |
| A316 | 0.715 | 0.072 | 0.643 | 106.9 | 6 | 6 | 11 | M |
| A317 | 0.363 | 0.055 | 0.308 | 47.7 | 3 | 3 | 60 | F |
| A318 | 0.582 | 0.041 | 0.541 | 88.9 | 4 | 4 | 65 | F |
| A319 | 0.259 | 0.027 | 0.232 | 34.3 | 3 | 3 | 51 | F |
| A320 | 0.198 | 0.051 | 0.147 | 19.3 | 2 | 2 | 35 | M |
| A321 | 0.401 | 0.079 | 0.322 | 50.2 | 3 | 3 | 13 | F |
| A322 | 0.421 | 0.092 | 0.329 | 51.5 | 3 | 3 | 30 | F |
| A323 | 0.655 | 0.054 | 0.601 | 99.5 | 5 | 5 | 65 | F |
| A324 | 0.805 | 0.05 | 0.755 | 126.7 | 6 | 6 | 35 | F |
| A325 | 0.371 | 0.031 | 0.34 | 53.4 | 3 | 3 | 59 | M |
| A326 | 0.627 | 0.107 | 0.52 | 85.2 | 5 | 5 | 37 | M |
| A327 | 0.34 | 0.031 | 0.309 | 47.9 | 3 | 3 | 61 | F |
| A328 | 0.812 | 0.079 | 0.733 | 122.8 | 6 | 6 | 24 | M |
| A329 | 0.505 | 0.2 | 0.305 | 47.2 | 5 | 5 | 5 | F |
| A330 | 0.557 | 0.063 | 0.494 | 80.6 | 5 | 5 | 31 | F |
| A331 | 0.716 | 0.106 | 0.61 | 101.1 | 6 | 6 | 40 | M |
| A332 | 0.273 | 0.049 | 0.224 | 32.9 | 3 | 3 | 34 | F |
| A333 | 0.46 | 0.028 | 0.432 | 69.6 | 4 | 4 | 66 | F |
| A334 | 0.587 | 0.079 | 0.508 | 83.1 | 5 | 5 | 37 | F |
| A335 | 0.238 | 0.085 | 0.153 | 20.4 | 3 | 3 | 63 | F |
| A336 | 0.337 | 0.046 | 0.291 | 44.7 | 3 | 3 | 32 | M |
| A337 | 0.246 | 0.041 | 0.205 | 29.6 | 3 | 3 | 72 | M |
| A338 | 0.317 | 0.046 | 0.271 | 41.2 | 3 | 3 | 48 | M |
| A339 | 0.432 | 0.025 | 0.407 | 65.2 | 5 | 5 | 60 | F |
| A340 | 0.286 | 0.071 | 0.215 | 31.3 | 3 | 3 | 62 | M |
| A341 | 0.64 | 0.054 | 0.586 | 96.8 | 5 | 5 | 59 | F |
| A342 | 0.385 | 0.129 | 0.256 | 38.6 | 4 | 4 | 44 | F |
| A343 | 0.643 | 0.055 | 0.588 | 97.2 | 5 | 5 | 43 | F |
| A344 | 0.309 | 0.012 | 0.297 | 45.8 | 4 | 4 | 74 | M |
| A345 | 0.594 | 0.042 | 0.552 | 90.8 | 5 | 5 | 57 | F |
| A346 | 0.546 | 0.056 | 0.49 | 79.9 | 5 | 5 | 44 | F |
| A347 | 0.391 | 0.072 | 0.319 | 49.7 | 4 | 4 | 21 | F |
| A348 | 0.286 | 0.067 | 0.219 | 32.0 | 3 | 3 | 58 | M |
| A349 | 0.404 | 0.07 | 0.334 | 52.3 | 4 | 4 | 52 | F |
| A350 | 0.471 | 0.081 | 0.39 | 62.2 | 4 | 4 | 73 | M |
| A351 | 0.313 | 0.043 | 0.27 | 41.0 | 3 | 3 | 51 | F |
| A352 | 0.313 | 0.06 | 0.253 | 38.0 | 3 | 3 | 51 | M |
| A353 | 0.678 | 0.038 | 0.64 | 106.4 | 5 | 5 | 65 | M |
| A354 | 0.336 | 0.045 | 0.291 | 44.7 | 3 | 3 | 35 | F |
| A355 | 0.566 | 0.049 | 0.517 | 84.7 | 5 | 5 | 56 | F |
| A356 | 0.455 | 0.068 | 0.387 | 61.7 | 5 | 5 | 52 | F |
| Plate 6 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |

| | | | | | | | | |
|--------------|-------|-------|-------|-------|----|----|------|---|
| Blank | 0.02 | 0.02 | 0 | | No | No | | |
| Inactivated | 0.178 | 0.124 | 0.054 | | No | No | | |
| Sub negative | 0.169 | 0.153 | 0.016 | | No | No | | |
| 100% | 0.636 | 0.094 | 0.542 | | 5 | 5 | | |
| 60% | 0.346 | 0.097 | 0.249 | | 4 | 4 | | |
| 30% | 0.308 | 0.128 | 0.18 | | 3 | 3 | | |
| 10% | 0.251 | 0.101 | 0.15 | | 2 | 2 | | |
| A357 | 0.667 | 0.258 | 0.409 | 76.7 | 5 | 5 | 76 | M |
| A358 | 0.512 | 0.319 | 0.193 | 31.9 | 3 | 3 | 59 | F |
| A359 | 1.169 | 0.241 | 0.928 | 184.2 | 7 | 7 | 50 | M |
| A360 | 0.529 | 0.093 | 0.436 | 82.3 | 5 | 5 | 54 | F |
| A361 | 0.422 | 0.13 | 0.292 | 52.4 | 5 | 5 | 52 | M |
| A362 | 0.407 | 0.172 | 0.235 | 40.6 | 5 | 5 | 52 | F |
| A363 | 0.357 | 0.097 | 0.26 | 45.8 | 5 | 5 | 50 | M |
| A364 | 0.545 | 0.136 | 0.409 | 76.7 | 3 | 4 | 45 | M |
| A365 | 0.677 | 0.125 | 0.552 | 106.3 | 5 | 5 | 70 | M |
| A366 | 0.34 | 0.085 | 0.255 | 44.8 | 3 | 4 | 56 | F |
| A367 | 0.654 | 0.135 | 0.519 | 99.5 | 5 | 5 | 47 | M |
| A368 | 0.286 | 0.112 | 0.174 | 28.0 | 2 | 3 | 33 | M |
| A369 | 0.495 | 0.144 | 0.351 | 64.7 | 4 | 4 | 48 | F |
| A370 | 0.58 | 0.135 | 0.445 | 84.1 | 5 | 5 | 62 | M |
| A371 | 0.351 | 0.141 | 0.21 | 35.4 | 3 | 3 | 52 | F |
| A372 | 0.451 | 0.119 | 0.332 | 60.7 | 5 | 4 | 45 | F |
| A373 | 0.389 | 0.214 | 0.175 | 28.2 | 4 | 3 | 50 | F |
| A374 | 0.385 | 0.103 | 0.282 | 50.4 | 3 | 3 | 11 | M |
| A375 | 0.237 | 0.156 | 0.081 | 8.7 | 2 | 2 | 60 | F |
| A376 | 0.324 | 0.069 | 0.255 | 44.8 | 3 | 3 | 63 | F |
| A377 | 0.392 | 0.115 | 0.277 | 49.3 | 4 | 4 | 54 | F |
| A378 | 0.474 | 0.181 | 0.293 | 52.6 | 4 | 4 | 52 | M |
| A379 | 0.655 | 0.163 | 0.492 | 93.9 | 5 | 5 | 50 | F |
| A380 | 0.336 | 0.112 | 0.224 | 38.3 | 4 | 3 | 4y6m | M |
| A381 | 0.483 | 0.094 | 0.389 | 72.5 | 5 | 5 | 46 | F |
| A382 | 0.322 | 0.109 | 0.213 | 36.1 | 3 | 3 | 39 | F |
| A383 | 0.331 | 0.054 | 0.277 | 49.3 | 3 | 3 | 12 | M |
| A384 | 0.501 | 0.062 | 0.439 | 82.9 | 5 | 5 | 42 | M |
| A385 | 0.419 | 0.108 | 0.311 | 56.4 | 4 | 4 | 20 | M |
| A386 | 0.716 | 0.189 | 0.527 | 101.1 | 5 | 5 | 3 | M |
| A387 | 0.781 | 0.147 | 0.634 | 123.3 | 6 | 6 | 41 | F |
| A388 | 1.017 | 0.307 | 0.71 | 139.0 | 7 | 7 | 48 | F |
| A389 | 0.293 | 0.11 | 0.183 | 29.9 | 4 | 3 | 47 | F |
| A390 | 0.325 | 0.112 | 0.213 | 36.1 | 3 | 3 | 53 | F |
| A391 | 0.775 | 0.264 | 0.511 | 97.8 | 5 | 5 | 66 | M |
| A392 | 0.285 | 0.102 | 0.183 | 29.9 | 3 | 3 | 55 | F |
| A393 | 0.472 | 0.117 | 0.355 | 65.5 | 5 | 5 | 48 | M |
| A394 | 0.511 | 0.123 | 0.388 | 72.3 | 5 | 5 | 18 | F |
| A395 | 0.722 | 0.106 | 0.616 | 119.5 | 5 | 5 | 42 | F |
| A396 | 0.991 | 0.416 | 0.575 | 111.1 | 6 | 6 | 35 | F |
| A397 | 0.445 | 0.07 | 0.375 | 69.6 | 4 | 4 | 1y4m | M |
| A398 | 0.725 | 0.142 | 0.583 | 112.7 | 5 | 5 | 21 | M |
| A399 | 0.246 | 0.164 | 0.082 | 8.9 | 2 | 2 | 63 | F |
| A400 | 0.971 | 0.074 | 0.897 | 177.8 | 6 | 6 | 3 | M |
| A401 | 0.562 | 0.114 | 0.448 | 84.7 | 5 | 5 | 39 | M |
| A402 | 0.336 | 0.15 | 0.186 | 30.5 | 4 | 4 | 25 | F |
| A403 | 0.729 | 0.187 | 0.542 | 104.2 | 5 | 5 | 10 | F |
| A404 | 0.723 | 0.145 | 0.578 | 111.7 | 5 | 5 | 16 | M |
| A405 | 0.427 | 0.099 | 0.328 | 59.9 | 4 | 4 | 20 | F |
| A406 | 0.614 | 0.229 | 0.385 | 71.7 | 5 | 5 | 59 | F |
| A407 | 0.243 | 0.158 | 0.085 | 9.6 | 2 | 2 | 45 | F |
| A408 | 0.409 | 0.078 | 0.331 | 60.5 | 4 | 4 | 52 | F |
| A409 | 0.344 | 0.115 | 0.229 | 39.4 | 5 | 4 | 35 | M |
| A410 | 0.859 | 0.23 | 0.629 | 122.2 | 6 | 6 | 49 | F |
| A411 | 0.748 | 0.137 | 0.611 | 118.5 | 5 | 5 | 17 | F |
| A412 | 0.483 | 0.1 | 0.383 | 71.3 | 5 | 5 | 42 | F |
| A413 | 0.944 | 0.203 | 0.741 | 145.4 | 6 | 6 | 26 | F |
| A414 | 1.252 | 0.359 | 0.893 | 176.9 | 7 | 7 | 32 | F |
| A415 | 0.453 | 0.08 | 0.373 | 69.2 | 5 | 5 | 32 | F |
| A416 | 0.508 | 0.132 | 0.376 | 69.8 | 5 | 5 | 67 | F |
| A417 | 0.933 | 0.292 | 0.641 | 124.7 | 6 | 6 | 50 | F |

| | | | | | | | | |
|----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A418 | 0.282 | 0.145 | 0.137 | 20.3 | 4 | 3 | 1 | M |
| A419 | 0.812 | 0.2 | 0.612 | 118.7 | 5 | 5 | 19 | M |
| A420 | 0.373 | 0.149 | 0.224 | 38.3 | 4 | 4 | 29 | M |
| A421 | 0.364 | 0.114 | 0.25 | 43.7 | 4 | 4 | 45 | M |
| A422 | 0.634 | 0.135 | 0.499 | 95.3 | 5 | 5 | 8 | F |
| A423 | 0.347 | 0.102 | 0.245 | 42.7 | 4 | 4 | 3 | M |
| A424 | 0.541 | 0.098 | 0.443 | 83.7 | 5 | 5 | 20 | F |
| A425 | 0.325 | 0.096 | 0.229 | 39.4 | 4 | 4 | 20 | F |
| A426 | 0.643 | 0.144 | 0.499 | 95.3 | 5 | 5 | 55 | F |
| A427 | 0.387 | 0.119 | 0.268 | 47.5 | 4 | 4 | 31 | F |
| A428 | 0.395 | 0.141 | 0.254 | 44.6 | 4 | 4 | 35 | F |
| A429 | 0.609 | 0.197 | 0.412 | 77.3 | 5 | 5 | 40 | M |
| A430 | 0.423 | 0.107 | 0.316 | 57.4 | 3 | 3 | 60 | F |
| A431 | 0.636 | 0.245 | 0.391 | 72.9 | 5 | 5 | 40 | F |
| A432 | 0.982 | 0.76 | 0.222 | 37.9 | 3 | 3 | 10 | F |
| A433 | 0.886 | 0.155 | 0.731 | 143.4 | 6 | 6 | 50 | F |
| A434 | 0.516 | 0.156 | 0.36 | 66.5 | 4 | 4 | 21 | F |
| A435 | 0.525 | 0.111 | 0.414 | 77.7 | 5 | 5 | 53 | F |
| A436 | 0.269 | 0.079 | 0.19 | 31.3 | 4 | 3 | 34 | F |
| A437 | 0.317 | 0.121 | 0.196 | 32.5 | 4 | 3 | 40 | F |
| A438 | 0.605 | 0.161 | 0.444 | 83.9 | 4 | 3 | 54 | F |
| A439 | 0.451 | 0.114 | 0.337 | 61.8 | 5 | 5 | 11 | M |
| A440 | 0.284 | 0.102 | 0.182 | 29.6 | 3 | 3 | 55 | F |
| Plate 7 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.026 | 0.025 | 0.001 | | No | No | | |
| Inactivated | 0.059 | 0.05 | 0.009 | | No | No | | |
| Sub negative | 0.061 | 0.06 | 0.001 | | No | No | | |
| 100% | 1.052 | 0.145 | 0.907 | | 7 | 7 | | |
| 60% | 0.454 | 0.021 | 0.433 | | 5 | 5 | | |
| 30% | 0.176 | 0.023 | 0.153 | | 2 | 2 | | |
| 10% | 0.07 | 0.033 | 0.037 | | 1 | 1 | | |
| A441 | 0.366 | 0.119 | 0.247 | 36.4 | 3 | 3 | 24 | M |
| A442 | 0.238 | 0.04 | 0.198 | 31.5 | 3 | 3 | 73 | F |
| A443 | 0.384 | 0.05 | 0.334 | 45.1 | 3 | 3 | 35 | F |
| A444 | 0.699 | 0.268 | 0.431 | 54.9 | 3 | 3 | 60 | M |
| A445 | 0.764 | 0.051 | 0.713 | 83.2 | 5 | 5 | 48 | F |
| A446 | 1.049 | 0.409 | 0.64 | 75.8 | 6 | 6 | 23 | F |
| A447 | 0.655 | 0.118 | 0.537 | 65.5 | 5 | 5 | 65 | M |
| A448 | 0.924 | 0.171 | 0.753 | 87.2 | 5 | 5 | 36 | F |
| A449 | 0.624 | 0.364 | 0.26 | 37.7 | 5 | 5 | 50 | F |
| A450 | 0.328 | 0.132 | 0.196 | 31.3 | 3 | 3 | 54 | F |
| A451 | 0.167 | 0.103 | 0.064 | 18.0 | 3 | 3 | 46 | F |
| A452 | 0.137 | 0.01 | 0.127 | 24.4 | 3 | 3 | 38\12 | F |
| A453 | 0.398 | 0.046 | 0.352 | 46.9 | 4 | 4 | 45 | M |
| A454 | 0.678 | 0.088 | 0.59 | 70.8 | 5 | 5 | 18 | M |
| A455 | 1.091 | 0.302 | 0.789 | 90.8 | 6 | 6 | 65 | F |
| A456 | 0.551 | 0.121 | 0.43 | 54.8 | 4 | 5 | 61 | F |
| A457 | 0.446 | 0.226 | 0.22 | 33.7 | 3 | 3 | 12 | M |
| A458 | 0.439 | 0.093 | 0.346 | 46.3 | 3 | 3 | 47 | M |
| A459 | 0.574 | 0.012 | 0.562 | 68.0 | 4 | 4 | 66 | M |
| A460 | 1.117 | 0.498 | 0.619 | 73.7 | 7 | 7 | 8 | M |
| A461 | 0.157 | 0.045 | 0.112 | 22.8 | 3 | 3 | 63 | F |
| A462 | 0.457 | 0.043 | 0.414 | 53.2 | 4 | 3 | 54 | M |
| A463 | 0.672 | 0.193 | 0.479 | 59.7 | 5 | 5 | 62 | F |
| A464 | 0.389 | 0.197 | 0.192 | 30.9 | 3 | 3 | 64 | F |
| A465 | 0.473 | 0.036 | 0.437 | 55.5 | 4 | 4 | 37 | M |
| A466 | 0.609 | 0.28 | 0.329 | 44.6 | 3 | 3 | 14 | M |
| A467 | 0.199 | 0.012 | 0.187 | 30.4 | 3 | 3 | 56 | F |
| A468 | 0.453 | 0.173 | 0.28 | 39.7 | 3 | 3 | 19 | F |
| A469 | 0.431 | 0.04 | 0.391 | 50.9 | 4 | 3 | 46 | M |
| A470 | 0.276 | 0.087 | 0.189 | 30.6 | 3 | 3 | 40 | M |
| A471 | 0.205 | 0.015 | 0.19 | 30.7 | 3 | 3 | 55 | F |
| A472 | 0.259 | 0.038 | 0.221 | 33.8 | 3 | 3 | 23 | M |
| A473 | 0.511 | 0.168 | 0.343 | 46.0 | 3 | 3 | 49 | M |
| A474 | 0.287 | 0.04 | 0.247 | 36.4 | 3 | 3 | 52 | F |
| A475 | 0.172 | 0.049 | 0.123 | 24.0 | 3 | 3 | 66 | M |

| | | | | | | | | |
|----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A476 | 0.65 | 0.192 | 0.458 | 57.6 | 3 | 3 | 48 | M |
| A477 | 0.386 | 0.079 | 0.307 | 42.4 | 4 | 3 | 33 | F |
| A478 | 0.313 | 0.126 | 0.187 | 30.4 | 3 | 3 | 38 | F |
| A479 | 0.175 | 0.04 | 0.135 | 25.2 | 3 | 3 | 30 | F |
| A480 | 0.236 | 0.05 | 0.186 | 30.3 | 3 | 3 | 67 | F |
| A481 | 0.864 | 0.533 | 0.331 | 44.8 | 3 | 3 | 57 | F |
| A482 | 0.209 | 0.021 | 0.188 | 30.5 | 3 | 3 | 18 | F |
| A483 | 0.577 | 0.314 | 0.263 | 38.0 | 3 | 3 | 63 | F |
| A484 | 0.422 | 0.153 | 0.269 | 38.6 | 3 | 3 | 78 | M |
| A485 | 0.254 | 0.058 | 0.196 | 31.3 | 3 | 3 | 9 | M |
| A486 | 0.273 | 0.044 | 0.229 | 34.6 | 3 | 3 | 54 | F |
| A487 | 0.446 | 0.058 | 0.388 | 50.6 | 4 | 4 | 65 | M |
| A488 | 0.494 | 0.217 | 0.277 | 39.4 | 3 | 3 | 65 | F |
| A489 | 0.515 | 0.133 | 0.382 | 49.9 | 4 | 4 | 64 | F |
| A490 | 1.269 | 0.518 | 0.751 | 87.0 | 6 | 6 | 42 | F |
| A491 | 0.815 | 0.409 | 0.406 | 52.4 | 5 | 5 | 52 | F |
| A492 | 0.628 | 0.139 | 0.489 | 60.7 | 5 | 5 | 1 | F |
| A493 | 1.667 | 0.801 | 0.866 | 98.5 | 6 | 6 | 50 | F |
| A494 | 0.375 | 0.168 | 0.207 | 32.4 | 3 | 3 | 41 | F |
| A495 | 0.722 | 0.151 | 0.571 | 68.9 | 5 | 5 | 72 | F |
| A496 | 0.733 | 0.124 | 0.609 | 72.7 | 5 | 5 | 53 | M |
| A497 | 0.541 | 0.034 | 0.507 | 62.5 | 5 | 5 | 47 | F |
| A498 | 0.891 | 0.106 | 0.785 | 90.4 | 6 | 6 | 1y5m | F |
| A499 | 0.826 | 0.143 | 0.683 | 80.2 | 5 | 5 | 54 | F |
| A500 | 0.457 | 0.036 | 0.421 | 53.9 | 5 | 4 | 57 | F |
| A501 | 0.28 | 0.049 | 0.231 | 34.8 | 3 | 3 | 60 | F |
| A502 | 0.284 | 0.095 | 0.189 | 30.6 | 3 | 3 | 54 | F |
| A503 | 0.28 | 0.06 | 0.22 | 33.7 | 3 | 3 | 74 | M |
| A504 | 0.696 | 0.393 | 0.303 | 42.0 | 4 | 4 | 60 | F |
| A505 | 1.288 | 0.039 | 1.249 | 137.0 | 6 | 6 | 55 | F |
| A506 | 0.827 | 0.199 | 0.628 | 74.6 | 5 | 5 | 65 | M |
| A507 | 0.246 | 0.025 | 0.221 | 33.8 | 3 | 3 | 58 | F |
| A508 | 0.386 | 0.188 | 0.198 | 31.5 | 3 | 3 | 9m | M |
| A509 | 0.49 | 0.112 | 0.378 | 49.5 | 3 | 3 | 16 | F |
| A510 | 0.342 | 0.071 | 0.271 | 38.8 | 3 | 3 | 65 | M |
| A511 | 0.321 | 0.102 | 0.219 | 33.6 | 3 | 4 | 13 | M |
| A512 | 1.145 | 0.738 | 0.407 | 52.5 | 4 | 4 | 51 | F |
| A513 | 0.936 | 0.438 | 0.498 | 61.6 | 5 | 4 | 47 | M |
| A514 | 0.396 | 0.131 | 0.265 | 38.2 | 3 | 3 | 1y9m | M |
| A515 | 0.368 | 0.041 | 0.327 | 44.4 | 3 | 3 | 52 | M |
| A516 | 0.439 | 0.113 | 0.326 | 44.3 | 3 | 3 | 53 | M |
| A517 | 0.493 | 0.15 | 0.343 | 46.0 | 3 | 3 | 54 | F |
| A518 | 0.245 | 0.051 | 0.194 | 31.1 | 3 | 3 | 34 | F |
| A519 | 1.01 | 0.339 | 0.671 | 79.0 | 4 | 5 | 35 | F |
| A520 | 0.376 | 0.062 | 0.314 | 43.1 | 3 | 3 | 53 | F |
| A521 | 0.873 | 0.289 | 0.584 | 70.2 | 5 | 5 | 41 | F |
| A522 | 0.463 | 0.149 | 0.314 | 43.1 | 3 | 3 | 51 | F |
| A523 | 0.765 | 0.303 | 0.462 | 58.0 | 5 | 5 | 1y8m | F |
| A524 | 0.492 | 0.046 | 0.446 | 56.4 | 3 | 4 | 46 | F |
| | | | | | | | | |
| | | | | | | | | |
| Plate 8 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.021 | 0.021 | 0 | | No | No | | |
| Inactivated | 0.173 | 0.115 | 0.058 | | No | No | | |
| Sub negative | 0.288 | 0.167 | 0.121 | | No | No | | |
| 100% | 0.986 | 0.149 | 0.837 | | 6 | 6 | | |
| 60% | 0.519 | 0.127 | 0.392 | | 4 | 4 | | |
| 30% | 0.246 | 0.08 | 0.166 | | 3 | 3 | | |
| 10% | 0.205 | 0.053 | 0.152 | | 2 | 2 | | |
| A525 | 0.341 | 0.09 | 0.251 | 33.9 | 4 | 3 | 54 | F |
| A526 | 0.536 | 0.207 | 0.329 | 43.1 | 4 | 4 | 58 | M |
| A527 | 0.489 | 0.142 | 0.347 | 45.3 | 4 | 3 | 63 | M |
| A528 | 0.333 | 0.071 | 0.262 | 35.2 | 4 | 4 | 9days | M |
| A529 | 0.407 | 0.102 | 0.305 | 40.3 | 4 | 4 | 64 | F |
| A530 | 0.385 | 0.073 | 0.312 | 41.1 | 4 | 4 | 58 | M |
| A531 | 0.403 | 0.065 | 0.338 | 44.2 | 4 | 4 | 60 | F |
| A532 | 0.353 | 0.062 | 0.291 | 38.6 | 3 | 3 | 43 | F |
| A533 | 0.701 | 0.103 | 0.598 | 75.1 | 5 | 5 | 15 | M |

| | | | | | | | | |
|------|-------|-------|-------|-------|---|---|--------|---|
| A534 | 0.539 | 0.145 | 0.394 | 50.9 | 4 | 4 | 2m 21d | F |
| A535 | 0.286 | 0.054 | 0.232 | 31.6 | 3 | 3 | 22 | F |
| A536 | 0.52 | 0.068 | 0.452 | 57.7 | 4 | 4 | 29 | F |
| A537 | 0.588 | 0.24 | 0.348 | 45.4 | 4 | 4 | 54 | F |
| A538 | 0.528 | 0.084 | 0.444 | 56.8 | 5 | 5 | 64 | F |
| A539 | 0.547 | 0.064 | 0.483 | 61.4 | 5 | 5 | 60 | F |
| A540 | 0.667 | 0.138 | 0.529 | 66.9 | 5 | 5 | 49 | F |
| A541 | 0.71 | 0.352 | 0.358 | 46.6 | 3 | 3 | 42 | F |
| A542 | 0.402 | 0.07 | 0.332 | 43.5 | 4 | 4 | 34 | F |
| A543 | 0.233 | 0.067 | 0.166 | 23.8 | 3 | 3 | 50 | F |
| A544 | 0.271 | 0.047 | 0.224 | 30.7 | 3 | 3 | 51 | F |
| A545 | 0.46 | 0.1 | 0.36 | 46.8 | 4 | 4 | 66 | M |
| A546 | 0.549 | 0.109 | 0.44 | 56.3 | 5 | 5 | 32 | F |
| A547 | 0.396 | 0.09 | 0.306 | 40.4 | 4 | 4 | 25 | F |
| A548 | 0.437 | 0.191 | 0.246 | 33.3 | 3 | 3 | 36 | F |
| A549 | 0.532 | 0.227 | 0.305 | 40.3 | 4 | 4 | 61 | M |
| A550 | 0.807 | 0.437 | 0.37 | 48.0 | 4 | 4 | 51 | M |
| A551 | 0.406 | 0.169 | 0.237 | 32.2 | 3 | 3 | 28 | F |
| A552 | 0.457 | 0.172 | 0.285 | 37.9 | 3 | 3 | 84 | M |
| A553 | 0.345 | 0.06 | 0.285 | 37.9 | 3 | 3 | 52 | M |
| A554 | 0.334 | 0.092 | 0.242 | 32.8 | 3 | 3 | 72 | M |
| A555 | 0.343 | 0.114 | 0.229 | 31.3 | 3 | 3 | 74 | F |
| A556 | 0.361 | 0.049 | 0.312 | 41.1 | 3 | 3 | 18 | M |
| A557 | 0.462 | 0.095 | 0.367 | 47.7 | 4 | 4 | 47 | F |
| A558 | 0.236 | 0.011 | 0.225 | 30.8 | 3 | 3 | 36 | F |
| A559 | 0.422 | 0.116 | 0.306 | 40.4 | 3 | 3 | 20 | F |
| A560 | 0.379 | 0.117 | 0.262 | 35.2 | 3 | 3 | 10 | M |
| A561 | 1.138 | 0.863 | 0.275 | 36.7 | 3 | 3 | 72 | F |
| A562 | 0.514 | 0.128 | 0.386 | 49.9 | 4 | 4 | 8 | F |
| A563 | 0.766 | 0.474 | 0.292 | 38.8 | 3 | 3 | 4y6m | F |
| A564 | 0.654 | 0.126 | 0.528 | 66.8 | 5 | 5 | 56 | F |
| A565 | 0.72 | 0.394 | 0.326 | 42.8 | 4 | 4 | 35 | F |
| A566 | 0.313 | 0.069 | 0.244 | 33.1 | 3 | 3 | 48 | F |
| A567 | 0.563 | 0.096 | 0.467 | 59.5 | 4 | 4 | 65 | M |
| A568 | 1.203 | 0.607 | 0.596 | 74.8 | 5 | 5 | 49 | F |
| A569 | 0.377 | 0.098 | 0.279 | 37.2 | 4 | 4 | 60 | F |
| A570 | 0.633 | 0.148 | 0.485 | 61.7 | 4 | 4 | 1y2m | M |
| A571 | 1.158 | 0.918 | 0.24 | 32.6 | 3 | 3 | 2y9m | M |
| A572 | 0.953 | 0.244 | 0.709 | 88.2 | 6 | 6 | 6 | F |
| A573 | 0.764 | 0.194 | 0.57 | 71.7 | 5 | 5 | 49 | F |
| A574 | 0.799 | 0.115 | 0.684 | 85.3 | 5 | 5 | 56 | F |
| A575 | 0.251 | 0.021 | 0.23 | 31.4 | 3 | 3 | 35 | F |
| A576 | 0.282 | 0.059 | 0.223 | 30.6 | 3 | 3 | 61 | F |
| A577 | 0.511 | 0.128 | 0.383 | 49.6 | 4 | 4 | 19 | F |
| A578 | 0.599 | 0.369 | 0.23 | 31.4 | 3 | 3 | 32 | F |
| A579 | 0.223 | 0.109 | 0.114 | 17.6 | 3 | 3 | 41 | F |
| A580 | 0.285 | 0.059 | 0.226 | 30.9 | 3 | 3 | 59 | M |
| A581 | 0.356 | 0.131 | 0.225 | 30.8 | 3 | 3 | 19 | F |
| A582 | 0.417 | 0.163 | 0.254 | 34.3 | 3 | 3 | 26 | F |
| A583 | 0.468 | 0.135 | 0.333 | 43.6 | 3 | 3 | 39 | M |
| A584 | 0.954 | 0.402 | 0.552 | 69.6 | 4 | 4 | 62 | M |
| A585 | 0.914 | 0.098 | 0.816 | 100.9 | 5 | 5 | 31 | F |
| A586 | 1.243 | 0.572 | 0.671 | 83.7 | 5 | 5 | 48 | F |
| A587 | 1.184 | 0.681 | 0.503 | 63.8 | 5 | 5 | 9mon | F |
| A588 | 0.506 | 0.08 | 0.426 | 54.7 | 5 | 5 | 58 | F |
| A589 | 0.38 | 0.14 | 0.24 | 32.6 | 3 | 3 | 6 | F |
| A590 | 1.183 | 0.527 | 0.656 | 81.9 | 5 | 5 | 51 | F |
| A591 | 0.688 | 0.31 | 0.378 | 49.0 | 3 | 3 | 43 | F |
| A592 | 1.197 | 0.519 | 0.678 | 84.6 | 5 | 5 | 52 | F |
| A593 | 0.305 | 0.081 | 0.224 | 30.7 | 3 | 3 | 35 | F |
| A594 | 0.535 | 0.221 | 0.314 | 41.4 | 3 | 3 | 63 | F |
| A595 | 0.828 | 0.418 | 0.41 | 52.8 | 3 | 3 | 48 | F |
| A596 | 1.312 | 0.424 | 0.888 | 109.5 | 5 | 5 | 55 | F |
| A597 | 0.427 | 0.155 | 0.272 | 36.4 | 3 | 3 | 64 | M |
| A598 | 1.948 | 0.944 | 1.004 | 123.2 | 6 | 6 | 8 | M |
| A599 | 0.503 | 0.107 | 0.396 | 51.1 | 3 | 3 | 8 | F |
| A600 | 0.496 | 0.141 | 0.355 | 46.2 | 4 | 4 | 71 | F |
| A601 | 0.931 | 0.629 | 0.302 | 39.9 | 3 | 3 | 43 | F |

| | | | | | | | | |
|----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A602 | 0.356 | 0.133 | 0.223 | 30.6 | 3 | 3 | 28 | F |
| A603 | 0.864 | 0.274 | 0.59 | 74.1 | 5 | 5 | 79 | F |
| A604 | 0.317 | 0.082 | 0.235 | 32.0 | 3 | 3 | 58 | F |
| A605 | 0.491 | 0.087 | 0.404 | 52.0 | 3 | 3 | 1 | M |
| A606 | 0.343 | 0.066 | 0.277 | 37.0 | 3 | 3 | 30 | M |
| A607 | 0.366 | 0.082 | 0.284 | 37.8 | 3 | 3 | 61 | M |
| A608 | 1.65 | 0.937 | 0.713 | 88.7 | 6 | 6 | 36 | M |
| | | | | | | | | |
| Plate 9 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.02 | 0.02 | 0 | | No | No | | |
| Inactivated | 0.138 | 0.11 | 0.028 | | No | No | | |
| Sub negative | 0.2 | 0.022 | 0.178 | | No | No | | |
| 100% | 0.729 | 0.053 | 0.676 | | 5 | 5 | | |
| 60% | 0.416 | 0.052 | 0.364 | | 4 | 4 | | |
| 30% | 0.246 | 0.044 | 0.202 | | 3 | 3 | | |
| 10% | 0.157 | 0.048 | 0.109 | | 2 | 2 | | |
| A609 | 0.669 | 0.329 | 0.34 | 50.4 | 3 | 4 | 52 | F |
| A610 | 0.485 | 0.116 | 0.369 | 54.9 | 5 | 5 | 65 | F |
| A611 | 1.061 | 0.274 | 0.787 | 120.2 | 6 | 6 | 51 | F |
| A612 | 0.499 | 0.125 | 0.374 | 55.7 | 5 | 5 | 65 | F |
| A613 | 1.064 | 0.415 | 0.649 | 98.6 | 5 | 5 | 58 | F |
| A614 | 0.745 | 0.158 | 0.587 | 88.9 | 5 | 5 | 47 / 12 | F |
| A615 | 0.505 | 0.206 | 0.299 | 43.9 | 3 | 3 | 44 | F |
| A616 | 0.261 | 0.044 | 0.217 | 31.1 | 3 | 3 | 58 | F |
| A617 | 1.189 | 0.611 | 0.578 | 87.5 | 5 | 5 | 55 | F |
| A618 | 0.227 | 0.073 | 0.154 | 21.3 | 3 | 3 | 49 | M |
| A619 | 0.21 | 0.055 | 0.155 | 21.4 | 3 | 3 | 60 | M |
| A620 | 0.536 | 0.064 | 0.472 | 71.0 | 3 | 4 | 20 | F |
| A621 | 0.28 | 0.062 | 0.218 | 31.3 | 3 | 3 | 32 | F |
| A622 | 0.849 | 0.172 | 0.677 | 103.0 | 5 | 5 | 26 | F |
| A623 | 0.51 | 0.079 | 0.431 | 64.6 | 4 | 3 | 64 | F |
| A624 | 0.455 | 0.118 | 0.337 | 49.9 | 3 | 3 | 26 | M |
| A625 | 0.306 | 0.064 | 0.242 | 35.0 | 3 | 3 | 16 / 12 | M |
| A626 | 0.328 | 0.086 | 0.242 | 35.0 | 3 | 3 | 68 | M |
| A627 | 0.336 | 0.068 | 0.268 | 39.1 | 3 | 3 | 24 | F |
| A628 | 0.359 | 0.069 | 0.29 | 42.5 | 3 | 3 | 34 | M |
| A629 | 0.2 | 0.085 | 0.115 | 15.2 | 3 | 3 | 59 | M |
| A630 | 0.421 | 0.124 | 0.297 | 43.6 | 3 | 3 | 41 | F |
| A631 | 0.423 | 0.09 | 0.333 | 49.3 | 3 | 3 | 57 | F |
| A632 | 0.436 | 0.148 | 0.288 | 42.2 | 3 | 3 | 44 | F |
| A633 | 0.528 | 0.086 | 0.442 | 66.3 | 3 | 4 | 29 | M |
| A634 | 0.347 | 0.094 | 0.253 | 36.8 | 3 | 3 | 56 | F |
| A635 | 0.557 | 0.085 | 0.472 | 71.0 | 5 | 5 | 50 | M |
| A636 | 0.331 | 0.109 | 0.222 | 31.9 | 3 | 3 | 62 | F |
| A637 | 0.298 | 0.086 | 0.212 | 30.4 | 3 | 3 | 10 | M |
| A638 | 0.638 | 0.121 | 0.517 | 78.0 | 5 | 5 | 68 | F |
| A639 | 0.295 | 0.081 | 0.214 | 30.7 | 3 | 3 | 53 | F |
| A640 | 0.398 | 0.141 | 0.257 | 37.4 | 3 | 3 | 43 | F |
| A641 | 0.331 | 0.106 | 0.225 | 32.4 | 4 | 4 | 53 | F |
| A642 | 0.6 | 0.178 | 0.422 | 63.2 | 4 | 4 | 37 | M |
| A643 | 1.123 | 0.065 | 1.058 | 162.5 | 7 | 7 | 33 | F |
| A644 | 0.36 | 0.072 | 0.288 | 42.2 | 3 | 4 | 72 | F |
| A645 | 0.562 | 0.094 | 0.468 | 70.4 | 4 | 4 | 64 | M |
| A646 | 0.654 | 0.139 | 0.515 | 77.7 | 5 | 5 | 68 | M |
| A647 | 0.403 | 0.118 | 0.285 | 41.8 | 4 | 4 | 54 | M |
| A648 | 0.645 | 0.163 | 0.482 | 72.5 | 4 | 4 | 62 | M |
| A649 | 0.9 | 0.123 | 0.777 | 118.6 | 5 | 5 | 38 | M |
| A650 | 0.577 | 0.097 | 0.48 | 72.2 | 4 | 4 | 53 | F |
| A651 | 0.776 | 0.078 | 0.698 | 106.3 | 5 | 5 | 65 | F |
| A652 | 0.538 | 0.128 | 0.41 | 61.3 | 4 | 4 | 43 | F |
| A653 | 0.363 | 0.107 | 0.256 | 37.2 | 3 | 3 | 65 | M |
| A654 | 0.329 | 0.102 | 0.227 | 32.7 | 3 | 3 | 70 | M |
| A655 | 0.44 | 0.106 | 0.334 | 49.4 | 3 | 3 | 14 | M |
| A656 | 0.419 | 0.137 | 0.282 | 41.3 | 3 | 3 | 52 | M |
| A657 | 0.456 | 0.171 | 0.285 | 41.8 | 3 | 3 | 56 | F |
| A658 | 0.428 | 0.211 | 0.217 | 31.1 | 4 | 4 | 7 | M |
| A659 | 1.276 | 0.09 | 1.186 | 182.5 | 7 | 7 | 63 | F |

| | | | | | | | | |
|-----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A660 | 0.539 | 0.107 | 0.432 | 64.7 | 4 | 4 | 43 | M |
| A661 | 0.831 | 0.106 | 0.725 | 110.5 | 5 | 5 | 40 | M |
| A662 | 0.359 | 0.106 | 0.253 | 36.8 | 3 | 3 | 35 | F |
| A663 | 0.489 | 0.118 | 0.371 | 55.2 | 3 | 3 | 61 | M |
| A664 | 0.255 | 0.039 | 0.216 | 31.0 | 4 | 4 | 66 | F |
| A665 | 0.662 | 0.111 | 0.551 | 83.3 | 4 | 4 | 73 | M |
| A666 | 0.417 | 0.201 | 0.216 | 31.0 | 3 | 4 | 1 3/12 | M |
| A667 | 0.52 | 0.136 | 0.384 | 57.2 | 4 | 4 | 69 | F |
| A668 | 0.713 | 0.151 | 0.562 | 85.0 | 4 | 4 | 52 | F |
| A669 | 0.893 | 0.14 | 0.753 | 114.9 | 5 | 5 | 21 | M |
| A670 | 0.352 | 0.098 | 0.254 | 36.9 | 3 | 3 | 61 | F |
| A671 | 0.694 | 0.127 | 0.567 | 85.8 | 5 | 5 | 50 | F |
| A672 | 0.321 | 0.105 | 0.216 | 31.0 | 4 | 4 | 14 | F |
| A673 | 0.83 | 0.113 | 0.717 | 109.3 | 5 | 5 | 72 | F |
| A674 | 0.628 | 0.132 | 0.496 | 74.7 | 3 | 4 | 44 | F |
| A675 | 0.46 | 0.112 | 0.348 | 51.6 | 4 | 4 | 68 | F |
| A676 | 0.629 | 0.123 | 0.506 | 76.3 | 5 | 5 | 58 | F |
| A677 | 0.322 | 0.109 | 0.213 | 30.5 | 4 | 4 | 64 | F |
| A678 | 0.727 | 0.187 | 0.54 | 81.6 | 4 | 4 | 53 | M |
| A679 | 0.873 | 0.131 | 0.742 | 113.2 | 5 | 5 | 61 | M |
| A680 | 0.297 | 0.083 | 0.214 | 30.7 | 3 | 3 | 81 | F |
| A681 | 0.359 | 0.126 | 0.233 | 33.6 | 3 | 3 | 4 | M |
| A682 | 0.25 | 0.016 | 0.234 | 33.8 | 4 | 4 | 70 | F |
| A683 | 0.835 | 0.103 | 0.732 | 111.6 | 4 | 4 | 72 | F |
| A684 | 0.344 | 0.126 | 0.218 | 31.3 | 3 | 3 | 1 y 5mon | M |
| A685 | 0.313 | 0.094 | 0.219 | 31.4 | 4 | 3 | 48 | F |
| A686 | 0.467 | 0.176 | 0.291 | 42.7 | 3 | 3 | 67 | F |
| A687 | 0.339 | 0.119 | 0.22 | 31.6 | 3 | 3 | 75 | M |
| A688 | 0.402 | 0.16 | 0.242 | 35.0 | 3 | 3 | 21 | F |
| A689 | 0.417 | 0.132 | 0.285 | 41.8 | 3 | 3 | 10mon | M |
| A690 | 0.491 | 0.153 | 0.338 | 50.0 | 3 | 4 | 51 | F |
| A691 | 0.307 | 0.093 | 0.214 | 30.7 | 3 | 3 | 61 | F |
| A692 | 0.427 | 0.176 | 0.251 | 36.4 | 3 | 3 | 55 | F |
| Plate 10 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.02 | 0.02 | 0 | | No | No | | |
| Inactivated | 0.096 | 0.063 | 0.033 | | No | No | | |
| Sub negative | 0.11 | 0.09 | 0.02 | | No | No | | |
| 100% | 0.437 | 0.054 | 0.383 | | 4 | 4 | | |
| 60% | 0.385 | 0.109 | 0.276 | | 3 | 3 | | |
| 30% | 0.128 | 0.059 | 0.069 | | 2 | 2 | | |
| 10% | 0.107 | 0.067 | 0.04 | | 1 | 1 | | |
| A693 | 0.344 | 0.087 | 0.257 | 65.0 | 3 | 3 | 34 | F |
| A694 | 0.757 | 0.085 | 0.672 | 161.1 | 5 | 5 | 37 | M |
| A695 | 0.756 | 0.35 | 0.406 | 99.5 | 5 | 5 | 48 | M |
| A696 | 0.322 | 0.124 | 0.198 | 51.4 | 3 | 3 | 49 | M |
| A697 | 0.174 | 0.05 | 0.124 | 34.3 | 3 | 3 | 31 | F |
| A698 | 0.462 | 0.05 | 0.412 | 100.9 | 4 | 4 | 26 | M |
| A699 | 0.184 | 0.077 | 0.107 | 30.3 | 3 | 3 | 63 | F |
| A700 | 0.691 | 0.26 | 0.431 | 105.3 | 4 | 4 | 81 | F |
| A701 | 0.387 | 0.177 | 0.21 | 54.2 | 3 | 3 | 52 | F |
| A702 | 0.461 | 0.098 | 0.363 | 89.6 | 4 | 4 | 52 | F |
| A703 | 0.823 | 0.053 | 0.77 | 183.8 | 6 | 6 | 3 | M |
| A704 | 0.461 | 0.036 | 0.425 | 103.9 | 5 | 5 | 45 | F |
| A705 | 0.193 | 0.0386 | 0.1544 | 41.3 | 3 | 3 | 46 | F |
| A706 | 0.49 | 0.054 | 0.436 | 106.5 | 5 | 5 | 37 | M |
| A707 | 0.341 | 0.058 | 0.283 | 71.1 | 3 | 3 | 48 | F |
| A708 | 0.317 | 0.048 | 0.269 | 67.8 | 3 | 3 | 7 | M |
| A709 | 0.219 | 0.054 | 0.165 | 43.7 | 3 | 3 | 8 | F |
| A710 | 0.451 | 0.06 | 0.391 | 96.1 | 5 | 5 | 20 | M |
| A711 | 0.442 | 0.044 | 0.398 | 97.7 | 5 | 5 | 20 | M |
| A712 | 0.409 | 0.057 | 0.352 | 87.0 | 4 | 4 | 21 | M |
| A713 | 0.244 | 0.059 | 0.185 | 48.4 | 4 | 4 | 2y11m | F |
| A714 | 0.4 | 0.071 | 0.329 | 81.7 | 3 | 4 | 21 | M |
| A715 | 0.353 | 0.047 | 0.306 | 76.4 | 4 | 4 | 37 | M |
| A716 | 0.333 | 0.038 | 0.295 | 73.8 | 3 | 3 | 66 | M |
| A717 | 0.385 | 0.043 | 0.342 | 84.7 | 4 | 4 | 21 | M |

| | | | | | | | | |
|-----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A718 | 0.379 | 0.047 | 0.332 | 82.4 | 4 | 4 | 45 | M |
| A719 | 0.445 | 0.074 | 0.371 | 91.4 | 4 | 4 | 1 | M |
| A720 | 0.286 | 0.032 | 0.254 | 64.4 | 3 | 3 | 1y6m | M |
| A721 | 0.31 | 0.049 | 0.261 | 66.0 | 4 | 4 | 40 | F |
| A722 | 0.236 | 0.054 | 0.182 | 47.7 | 3 | 3 | 1 | M |
| A723 | 0.411 | 0.083 | 0.328 | 81.5 | 4 | 4 | 51 | M |
| A724 | 0.253 | 0.044 | 0.209 | 53.9 | 3 | 3 | 58 | F |
| A725 | 0.326 | 0.047 | 0.279 | 70.1 | 3 | 3 | 37 | F |
| A726 | 0.172 | 0.062 | 0.11 | 31.0 | 3 | 3 | 26 | F |
| A727 | 0.486 | 0.046 | 0.44 | 107.4 | 4 | 4 | 54 | F |
| A728 | 0.226 | 0.018 | 0.208 | 53.7 | 3 | 3 | 18 | M |
| A729 | 0.192 | 0.052 | 0.14 | 38.0 | 3 | 3 | 22 | F |
| A730 | 0.308 | 0.064 | 0.244 | 62.0 | 3 | 3 | 49 | F |
| A731 | 0.297 | 0.064 | 0.233 | 59.5 | 3 | 3 | 24 | F |
| A732 | 0.369 | 0.041 | 0.328 | 81.5 | 4 | 4 | 50 | F |
| A733 | 0.337 | 0.032 | 0.305 | 76.2 | 4 | 4 | 2 | M |
| A734 | 0.289 | 0.053 | 0.236 | 60.2 | 3 | 3 | 26 | F |
| A735 | 0.26 | 0.084 | 0.176 | 46.3 | 3 | 3 | 52 | F |
| A736 | 0.402 | 0.089 | 0.313 | 78.0 | 4 | 4 | 2 | F |
| A737 | 0.266 | 0.046 | 0.22 | 56.5 | 3 | 3 | 64 | F |
| A738 | 0.237 | 0.049 | 0.188 | 49.1 | 3 | 3 | 60 | F |
| A739 | 0.366 | 0.062 | 0.304 | 75.9 | 4 | 4 | 52 | F |
| A740 | 0.353 | 0.045 | 0.308 | 76.9 | 4 | 4 | 38 | F |
| A741 | 0.31 | 0.065 | 0.245 | 62.3 | 3 | 3 | 21 | F |
| A742 | 0.339 | 0.064 | 0.275 | 69.2 | 3 | 3 | 60 | F |
| A743 | 0.249 | 0.046 | 0.203 | 52.5 | 3 | 3 | 34 | F |
| A744 | 0.339 | 0.032 | 0.307 | 76.6 | 4 | 4 | 44 | F |
| A745 | 0.144 | 0.035 | 0.109 | 30.8 | 3 | 3 | 70 | F |
| A746 | 0.26 | 0.055 | 0.205 | 53.0 | 3 | 3 | 3y4m | M |
| A747 | 0.341 | 0.044 | 0.297 | 74.3 | 3 | 3 | 73 | F |
| A748 | 0.477 | 0.043 | 0.434 | 106.0 | 4 | 4 | 31 | F |
| A749 | 0.294 | 0.041 | 0.253 | 64.1 | 3 | 3 | 52 | F |
| A750 | 0.27 | 0.16 | 0.11 | 31.0 | 3 | 3 | 57 | M |
| A751 | 0.534 | 0.212 | 0.322 | 80.1 | 4 | 4 | 57 | F |
| A752 | 0.689 | 0.031 | 0.658 | 157.9 | 5 | 5 | 1y3m | M |
| A753 | 0.096 | 0.078 | 0.018 | 9.7 | 2 | 2 | 5 | F |
| A754 | 0.201 | 0.058 | 0.143 | 38.7 | 3 | 3 | 68 | F |
| A755 | 0.218 | 0.068 | 0.15 | 40.3 | 3 | 3 | 30 | F |
| A756 | 0.298 | 0.056 | 0.242 | 61.6 | 3 | 3 | 44 | F |
| A757 | 0.308 | 0.087 | 0.221 | 56.7 | 3 | 4 | 11 | F |
| A758 | 0.297 | 0.047 | 0.25 | 63.4 | 3 | 3 | 2y5m | F |
| A759 | 0.236 | 0.059 | 0.177 | 46.5 | 3 | 3 | 11 | F |
| A760 | 0.121 | 0.043 | 0.078 | 23.6 | 3 | 3 | 62 | F |
| A761 | 0.175 | 0.057 | 0.118 | 32.9 | 3 | 3 | 62 | F |
| A762 | 0.162 | 0.053 | 0.109 | 30.8 | 3 | 3 | 49 | F |
| A763 | 0.236 | 0.095 | 0.141 | 38.2 | 3 | 3 | 70 | M |
| A764 | 0.347 | 0.24 | 0.107 | 30.3 | 4 | 4 | 33 | F |
| A765 | 0.531 | 0.076 | 0.455 | 110.9 | 5 | 5 | 75 | M |
| A766 | 0.189 | 0.081 | 0.108 | 30.6 | 3 | 3 | 24 | F |
| A767 | 0.336 | 0.1 | 0.236 | 60.2 | 3 | 3 | 46 | M |
| A768 | 0.205 | 0.037 | 0.168 | 44.4 | 3 | 3 | 49 | F |
| A769 | 0.163 | 0.053 | 0.11 | 31.0 | 3 | 3 | 49 | F |
| A770 | 0.152 | 0.037 | 0.115 | 32.2 | 3 | 3 | 19 | F |
| A771 | 0.236 | 0.053 | 0.183 | 47.9 | 3 | 3 | 22 | F |
| A772 | 0.364 | 0.109 | 0.255 | 64.6 | 3 | 3 | 39 | F |
| A773 | 0.292 | 0.069 | 0.223 | 57.2 | 4 | 4 | 21 | F |
| A774 | 0.355 | 0.148 | 0.207 | 53.5 | 4 | 4 | 55 | M |
| A775 | 0.687 | 0.068 | 0.619 | 148.9 | 5 | 5 | 40 | M |
| A776 | 0.297 | 0.068 | 0.229 | 58.6 | 3 | 3 | 56 | F |
| Plate 11 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.01 | 0.01 | 0 | | No | No | | |
| Inactivated | 0.132 | 0.098 | 0.034 | | No | No | | |
| Sub negative | 0.112 | 0.077 | 0.035 | | No | No | | |
| 100% | 0.478 | 0.098 | 0.38 | | 5 | 5 | | |
| 60% | 0.361 | 0.115 | 0.246 | | 4 | 4 | | |
| 30% | 0.211 | 0.087 | 0.124 | | 3 | 3 | | |

| | | | | | | | | |
|------|-------------|--------------|--------------|-------|----------|----------|------|---|
| 10% | 0.13 | 0.074 | 0.056 | | 2 | 2 | | |
| A777 | 0.23 | 0.098 | 0.132 | 30.9 | 3 | 3 | 1 | F |
| A778 | 0.342 | 0.065 | 0.277 | 70.7 | 4 | 4 | 70 | M |
| A779 | 0.279 | 0.12 | 0.159 | 38.3 | 3 | 3 | 23 | F |
| A780 | 0.252 | 0.121 | 0.131 | 30.7 | 3 | 3 | 53 | F |
| A781 | 0.172 | 0.044 | 0.128 | 29.8 | 3 | 3 | 49 | M |
| A782 | 0.201 | 0.075 | 0.126 | 29.3 | 3 | 3 | 6 | M |
| A783 | 0.251 | 0.12 | 0.131 | 30.7 | 3 | 3 | 54 | F |
| A784 | 0.44 | 0.108 | 0.332 | 85.8 | 4 | 4 | 49 | M |
| A785 | 0.384 | 0.092 | 0.292 | 74.8 | 4 | 4 | 25 | F |
| A786 | 0.201 | 0.086 | 0.115 | 26.3 | 3 | 3 | 54 | F |
| A787 | 0.17 | 0.058 | 0.112 | 25.4 | 3 | 3 | 60 | F |
| A788 | 0.286 | 0.095 | 0.191 | 47.1 | 3 | 3 | 33 | F |
| A789 | 0.196 | 0.079 | 0.117 | 26.8 | 3 | 3 | 2 | F |
| A790 | 0.79 | 0.102 | 0.688 | 183.5 | 5 | 5 | 55 | F |
| A791 | 0.229 | 0.095 | 0.134 | 31.5 | 4 | 4 | 7 | M |
| A792 | 0.439 | 0.065 | 0.374 | 97.3 | 3 | 4 | 62 | F |
| A793 | 0.189 | 0.075 | 0.114 | 26.0 | 3 | 3 | 45 | F |
| A794 | 0.221 | 0.088 | 0.133 | 31.2 | 3 | 3 | 67 | F |
| A795 | 0.249 | 0.11 | 0.139 | 32.9 | 3 | 3 | 74 | F |
| A796 | 0.301 | 0.109 | 0.192 | 47.4 | 3 | 4 | 1y5m | F |
| A797 | 0.173 | 0.048 | 0.125 | 29.0 | 3 | 3 | 28 | F |
| A798 | 0.216 | 0.06 | 0.156 | 37.5 | 3 | 3 | 57 | F |
| A799 | 0.42 | 0.23 | 0.19 | 46.8 | 3 | 3 | 50 | F |
| A800 | 0.207 | 0.108 | 0.099 | 21.9 | 3 | 3 | 74 | M |
| A801 | 0.117 | 0.088 | 0.029 | 2.7 | 2 | 2 | 24 | F |
| A802 | 0.278 | 0.143 | 0.135 | 31.8 | 3 | 3 | 65 | F |
| A803 | 0.403 | 0.148 | 0.255 | 64.7 | 4 | 4 | 60 | M |
| A804 | 0.421 | 0.137 | 0.284 | 72.6 | 4 | 4 | 34 | F |
| A805 | 0.151 | 0.067 | 0.084 | 17.8 | 3 | 3 | 22 | F |
| A806 | 0.207 | 0.104 | 0.103 | 23.0 | 4 | 4 | 23 | F |
| A807 | 0.207 | 0.11 | 0.097 | 21.3 | 3 | 3 | 45 | M |
| A808 | 0.142 | 0.076 | 0.066 | 12.8 | 3 | 3 | 39 | F |
| A809 | 0.206 | 0.079 | 0.127 | 29.6 | 3 | 3 | 52 | F |
| A810 | 0.227 | 0.089 | 0.138 | 32.6 | 3 | 3 | 52 | F |
| A811 | 0.477 | 0.056 | 0.421 | 110.2 | 5 | 5 | 40 | F |
| A812 | 0.189 | 0.083 | 0.106 | 23.8 | 3 | 3 | 60 | F |
| A813 | 0.266 | 0.071 | 0.195 | 48.2 | 4 | 4 | 56 | M |
| A814 | 0.215 | 0.084 | 0.131 | 30.7 | 3 | 3 | 69 | M |
| A815 | 0.206 | 0.081 | 0.125 | 29.0 | 3 | 3 | 70 | F |
| A816 | 0.195 | 0.124 | 0.071 | 14.2 | 3 | 3 | 0.9 | M |
| A817 | 0.179 | 0.057 | 0.122 | 28.2 | 3 | 3 | 19 | M |
| A818 | 0.187 | 0.123 | 0.064 | 12.3 | 3 | 3 | 9 | F |
| A819 | 0.341 | 0.102 | 0.239 | 60.3 | 4 | 4 | 47 | M |
| A820 | 0.233 | 0.098 | 0.135 | 31.8 | 3 | 3 | 32 | F |
| A821 | 0.173 | 0.059 | 0.114 | 26.0 | 4 | 4 | 9 | F |
| A822 | 0.199 | 0.074 | 0.125 | 29.0 | 3 | 3 | 85 | M |
| A823 | 0.282 | 0.099 | 0.183 | 44.9 | 3 | 3 | 66 | M |
| A824 | 0.258 | 0.09 | 0.168 | 40.8 | 3 | 3 | 40 | M |
| A825 | 0.25 | 0.067 | 0.183 | 44.9 | 3 | 3 | 11 | M |
| A826 | 0.327 | 0.155 | 0.172 | 41.9 | 3 | 3 | 55 | F |
| A827 | 0.104 | 0.064 | 0.04 | 5.7 | 2 | 2 | 36 | M |
| A828 | 0.256 | 0.112 | 0.144 | 34.2 | 3 | 3 | 72 | M |
| A829 | 0.223 | 0.072 | 0.151 | 36.1 | 4 | 4 | 34 | F |
| A830 | 0.195 | 0.093 | 0.102 | 22.7 | 3 | 3 | 55 | F |
| A831 | 0.22 | 0.094 | 0.126 | 29.3 | 3 | 3 | 47 | F |
| A832 | 0.253 | 0.118 | 0.135 | 31.8 | 3 | 3 | 20 | F |
| A833 | 0.248 | 0.082 | 0.166 | 40.3 | 3 | 3 | 18 | F |
| A834 | 0.247 | 0.093 | 0.154 | 37.0 | 3 | 3 | 22 | M |
| A835 | 0.358 | 0.076 | 0.282 | 72.1 | 4 | 4 | 47 | F |
| A836 | 0.337 | 0.09 | 0.247 | 62.5 | 4 | 4 | 20 | F |
| A837 | 0.227 | 0.069 | 0.158 | 38.1 | 4 | 4 | 64 | F |
| A838 | 0.201 | 0.095 | 0.106 | 23.8 | 3 | 3 | 56 | F |
| A839 | 0.492 | 0.287 | 0.205 | 51.0 | 4 | 4 | 30 | F |
| A840 | 0.364 | 0.107 | 0.257 | 65.2 | 3 | 4 | 62 | F |
| A841 | 0.205 | 0.124 | 0.081 | 16.9 | 3 | 3 | 52 | F |
| A842 | 0.429 | 0.146 | 0.283 | 72.4 | 4 | 4 | 2y6m | F |
| A843 | 0.643 | 0.146 | 0.497 | 131.1 | 5 | 5 | 63 | M |

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|-----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A844 | 0.298 | 0.08 | 0.218 | 54.5 | 3 | 4 | 29 | F |
| A845 | 0.168 | 0.063 | 0.105 | 23.5 | 3 | 3 | 56 | F |
| A846 | 0.143 | 0.019 | 0.124 | 28.7 | 3 | 3 | 2 | F |
| A847 | 0.261 | 0.095 | 0.166 | 40.3 | 4 | 4 | 46 | F |
| A848 | 0.349 | 0.105 | 0.244 | 61.7 | 4 | 4 | 5 | M |
| A849 | 0.192 | 0.061 | 0.131 | 30.7 | 3 | 3 | 52 | F |
| A850 | 0.227 | 0.09 | 0.137 | 32.3 | 3 | 3 | 48 | F |
| A851 | 0.185 | 0.073 | 0.112 | 25.4 | 3 | 3 | 63 | F |
| A852 | 0.165 | 0.09 | 0.075 | 15.3 | 3 | 3 | 65 | F |
| A853 | 0.215 | 0.09 | 0.125 | 29.0 | 3 | 3 | 38 | F |
| A854 | 0.246 | 0.104 | 0.142 | 33.7 | 3 | 3 | 57 | F |
| A855 | 0.369 | 0.164 | 0.205 | 51.0 | 3 | 4 | 20 | F |
| A856 | 0.528 | 0.122 | 0.406 | 106.1 | 4 | 4 | 60 | F |
| A857 | 0.333 | 0.102 | 0.231 | 58.1 | 3 | 4 | 52 | M |
| A858 | 0.493 | 0.255 | 0.238 | 60.0 | 3 | 4 | 19 | F |
| A859 | 0.196 | 0.085 | 0.111 | 25.2 | 3 | 3 | 60 | F |
| A860 | 0.352 | 0.19 | 0.162 | 39.2 | 3 | 3 | 57 | F |
| Plate 12 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.015 | 0.015 | 0 | | No | No | | |
| Inactivated | 0.12 | 0.088 | 0.032 | | No | No | | |
| Sub negative | 0.154 | 0.119 | 0.035 | | No | No | | |
| 100% | 0.609 | 0.013 | 0.596 | | 5 | 5 | | |
| 60% | 0.261 | 0.013 | 0.248 | | 4 | 4 | | |
| 30% | 0.179 | 0.075 | 0.104 | | 3 | 3 | | |
| 10% | 0.14 | 0.051 | 0.089 | | 2 | 2 | | |
| A861 | 0.339 | 0.08 | 0.259 | 50.0 | 4 | 4 | 40 | M |
| A862 | 0.436 | 0.119 | 0.317 | 59.2 | 4 | 4 | 34 | F |
| A863 | 0.197 | 0.046 | 0.151 | 32.7 | 3 | 3 | 60 | F |
| A864 | 0.14 | 0.099 | 0.041 | 15.1 | 3 | 3 | 55 | F |
| A865 | 0.127 | 0.045 | 0.082 | 21.7 | 4 | 4 | 57 | F |
| A866 | 0.188 | 0.045 | 0.143 | 31.4 | 3 | 3 | 36 | F |
| A867 | 0.332 | 0.195 | 0.137 | 30.5 | 3 | 3 | 62 | F |
| A868 | 0.37 | 0.173 | 0.197 | 40.0 | 3 | 4 | 53 | F |
| A869 | 0.234 | 0.078 | 0.156 | 33.5 | 3 | 3 | 33 | F |
| A870 | 0.196 | 0.05 | 0.146 | 31.9 | 3 | 3 | 63 | M |
| A871 | 0.185 | 0.04 | 0.145 | 31.7 | 3 | 3 | 58 | F |
| A872 | 0.284 | 0.088 | 0.196 | 39.9 | 4 | 4 | 20 | M |
| A873 | 0.187 | 0.048 | 0.139 | 30.8 | 4 | 4 | 53 | F |
| A874 | 0.236 | 0.07 | 0.166 | 35.1 | 4 | 4 | 70 | M |
| A875 | 0.184 | 0.041 | 0.143 | 31.4 | 4 | 4 | 79 | F |
| A876 | 0.207 | 0.063 | 0.144 | 31.6 | 3 | 3 | 43 | F |
| A877 | 0.205 | 0.067 | 0.138 | 30.6 | 3 | 3 | 76 | M |
| A878 | 0.324 | 0.051 | 0.273 | 52.2 | 4 | 4 | 53 | M |
| A879 | 0.133 | 0.058 | 0.075 | 20.5 | 3 | 3 | 66 | F |
| A880 | 0.199 | 0.056 | 0.143 | 31.4 | 4 | 4 | 44 | M |
| A881 | 0.109 | 0.107 | 0.002 | 8.9 | 2 | 2 | 73 | F |
| A882 | 0.256 | 0.085 | 0.171 | 35.9 | 4 | 4 | 53 | F |
| A883 | 0.308 | 0.102 | 0.206 | 41.5 | 4 | 4 | 52 | F |
| A884 | 0.174 | 0.095 | 0.079 | 21.2 | 3 | 3 | 13 | F |
| A885 | 0.281 | 0.069 | 0.212 | 42.4 | 4 | 4 | 36 | F |
| A886 | 0.118 | 0.11 | 0.008 | 9.8 | 2 | 2 | 50 | F |
| A887 | 0.269 | 0.106 | 0.163 | 34.6 | 3 | 3 | 6y6m | F |
| A888 | 0.154 | 0.104 | 0.05 | 16.5 | 3 | 3 | 49 | F |
| A889 | 0.073 | 0.069 | 0.004 | 9.2 | 1 | 1 | 50 | F |
| A890 | 0.29 | 0.15 | 0.14 | 30.9 | 4 | 4 | 61 | F |
| A891 | 0.276 | 0.065 | 0.211 | 42.3 | 4 | 4 | 28 | F |
| A892 | 0.277 | 0.075 | 0.202 | 40.8 | 4 | 4 | 60 | M |
| A893 | 0.191 | 0.051 | 0.14 | 30.9 | 3 | 3 | 60 | F |
| A894 | 0.185 | 0.048 | 0.137 | 30.5 | 3 | 3 | 62 | F |
| A895 | 0.263 | 0.071 | 0.192 | 39.2 | 4 | 4 | 24 | F |
| A896 | 0.536 | 0.057 | 0.479 | 85.1 | 4 | 4 | 23 | F |
| A897 | 0.408 | 0.073 | 0.335 | 62.1 | 4 | 4 | 45 | F |
| A898 | 0.103 | 0.1 | 0.003 | 9.0 | 2 | 2 | 15 | M |
| A899 | 0.404 | 0.201 | 0.203 | 41.0 | 4 | 4 | 31 | F |
| A900 | 0.17 | 0.143 | 0.027 | 12.9 | 3 | 3 | 56 | F |
| A901 | 0.325 | 0.125 | 0.2 | 40.5 | 4 | 4 | 57 | F |

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|-----------------|--------------|--------------|------------------|----------|------------------|------------------|------------|------------|
| A902 | 0.214 | 0.071 | 0.143 | 31.4 | 3 | 3 | 38 | F |
| A903 | 0.165 | 0.06 | 0.105 | 25.3 | 3 | 3 | 18 | M |
| A904 | 0.545 | 0.125 | 0.42 | 75.7 | 4 | 4 | 36 | F |
| A905 | 0.502 | 0.36 | 0.142 | 31.3 | 4 | 4 | 31 | F |
| A906 | 0.387 | 0.2 | 0.187 | 38.4 | 4 | 4 | 34 | F |
| A907 | 0.189 | 0.041 | 0.148 | 32.2 | 4 | 4 | 50 | M |
| A908 | 0.155 | 0.098 | 0.057 | 17.7 | 4 | 4 | 55 | F |
| A909 | 0.322 | 0.086 | 0.236 | 46.3 | 4 | 4 | 52 | F |
| A910 | 0.31 | 0.077 | 0.233 | 45.8 | 4 | 4 | 57 | F |
| A911 | 0.27 | 0.095 | 0.175 | 36.5 | 4 | 4 | 65 | F |
| A912 | 0.268 | 0.081 | 0.187 | 38.4 | 4 | 4 | 10 | M |
| A913 | 0.122 | 0.057 | 0.065 | 18.9 | 4 | 4 | 1 4\12 | M |
| A914 | 0.33 | 0.103 | 0.227 | 44.8 | 4 | 4 | 35 | M |
| A915 | 0.533 | 0.134 | 0.399 | 72.3 | 4 | 4 | 34 | F |
| A916 | 0.152 | 0.084 | 0.068 | 19.4 | 3 | 3 | 74 | F |
| A917 | 0.23 | 0.089 | 0.141 | 31.1 | 3 | 3 | 62 | F |
| A918 | 0.303 | 0.125 | 0.178 | 37.0 | 3 | 3 | 50 | F |
| A919 | 0.207 | 0.066 | 0.141 | 31.1 | 3 | 3 | 42 | F |
| A920 | 0.19 | 0.047 | 0.143 | 31.4 | 3 | 3 | 84 | M |
| A921 | 0.25 | 0.07 | 0.18 | 37.3 | 4 | 4 | 48 | F |
| A922 | 0.277 | 0.11 | 0.167 | 35.3 | 4 | 4 | 47 | M |
| A923 | 0.268 | 0.093 | 0.175 | 36.5 | 4 | 4 | 52 | F |
| A924 | 0.308 | 0.119 | 0.189 | 38.8 | 4 | 4 | 41 | F |
| A925 | 0.388 | 0.091 | 0.297 | 56.0 | 4 | 4 | 60 | F |
| A926 | 0.245 | 0.1 | 0.145 | 31.7 | 3 | 3 | 3 10\12 | F |
| A927 | 0.152 | 0.089 | 0.063 | 18.6 | 3 | 3 | 23 | F |
| A928 | 0.185 | 0.046 | 0.139 | 30.8 | 3 | 3 | 50 | F |
| A929 | 0.186 | 0.048 | 0.138 | 30.6 | 4 | 4 | 6 | M |
| A930 | 0.196 | 0.057 | 0.139 | 30.8 | 3 | 3 | 36 | F |
| A931 | 0.314 | 0.115 | 0.199 | 40.4 | 4 | 4 | 1y3m | M |
| A932 | 0.514 | 0.128 | 0.386 | 70.3 | 4 | 4 | 48 | M |
| A933 | 0.225 | 0.084 | 0.141 | 31.1 | 3 | 3 | 34 | M |
| A934 | 0.272 | 0.122 | 0.15 | 32.5 | 3 | 3 | 59 | F |
| A935 | 0.22 | 0.081 | 0.139 | 30.8 | 3 | 3 | 17 | F |
| A936 | 0.172 | 0.114 | 0.058 | 17.8 | 3 | 3 | 54 | M |
| A937 | 0.14 | 0.102 | 0.038 | 14.6 | 3 | 3 | 56 | F |
| A938 | 0.167 | 0.135 | 0.032 | 13.7 | 3 | 3 | 44 | F |
| A939 | 0.171 | 0.106 | 0.065 | 18.9 | 4 | 4 | 53 | F |
| A940 | 0.145 | 0.123 | 0.022 | 12.1 | 3 | 3 | 50 | F |
| A941 | 0.294 | 0.108 | 0.186 | 38.3 | 3 | 4 | 23 | F |
| A942 | 0.39 | 0.146 | 0.244 | 47.6 | 4 | 4 | 54 | M |
| A943 | 0.13 | 0.096 | 0.034 | 14.0 | 3 | 3 | 15 | F |
| A944 | 0.118 | 0.11 | 0.008 | 9.8 | 2 | 2 | 50 | F |
| | | | | | | | | |
| | | | | | | | | |
| Plate 13 | | | | | | | | |
| Sample | 450nm | 630nm | 450-630nm | % | Colour O1 | Colour O2 | Age | Sex |
| Blank | 0.029 | 0.02 | 0.009 | | No | No | | |
| Inactivated | 0.092 | 0.052 | 0.04 | | No | No | | |
| Sub negative | 0.162 | 0.125 | 0.037 | | No | No | | |
| 100% | 0.656 | 0.081 | 0.575 | | 5 | 5 | | |
| 60% | 0.333 | 0.054 | 0.279 | | 4 | 4 | | |
| 30% | 0.142 | 0.034 | 0.108 | | 3 | 3 | | |
| 10% | 0.108 | 0.045 | 0.063 | | 2 | 2 | | |
| A945 | 0.341 | 0.048 | 0.293 | 56.1 | 4 | 4 | 10 | F |
| A946 | 0.647 | 0.351 | 0.296 | 56.6 | 4 | 4 | 60 | M |
| A947 | 0.539 | 0.04 | 0.499 | 90.4 | 5 | 5 | 20 | M |
| A948 | 0.18 | 0.039 | 0.141 | 30.8 | 3 | 4 | 37 | F |
| A949 | 0.138 | 0.07 | 0.068 | 18.7 | 3 | 4 | 29 | F |
| A950 | 0.285 | 0.061 | 0.224 | 44.6 | 3 | 3 | 25 | M |
| A951 | 0.195 | 0.036 | 0.159 | 33.8 | 4 | 4 | 30 | F |
| A952 | 0.39 | 0.128 | 0.262 | 51.0 | 4 | 4 | 36 | F |
| A953 | 0.512 | 0.095 | 0.417 | 76.7 | 5 | 5 | 42 | F |
| A954 | 0.61 | 0.142 | 0.468 | 85.2 | 5 | 5 | 40 | F |
| A955 | 0.422 | 0.036 | 0.386 | 71.6 | 4 | 4 | 59 | F |
| A956 | 0.335 | 0.026 | 0.309 | 58.8 | 4 | 4 | 1y4m | M |
| A957 | 0.189 | 0.044 | 0.145 | 31.5 | 4 | 4 | 51 | F |
| A958 | 0.153 | 0.014 | 0.139 | 30.5 | 3 | 3 | 62 | F |
| A959 | 0.347 | 0.195 | 0.152 | 32.7 | 3 | 3 | 47 | M |

| | | | | | | | | |
|-------|-------|-------|-------|-------|---|---|------|---|
| A960 | 0.211 | 0.032 | 0.179 | 37.1 | 3 | 3 | 51 | F |
| A961 | 0.303 | 0.022 | 0.281 | 54.1 | 3 | 3 | 13 | M |
| A962 | 0.603 | 0.199 | 0.404 | 74.6 | 4 | 4 | 13 | F |
| A963 | 0.492 | 0.041 | 0.451 | 82.4 | 4 | 4 | 62 | M |
| A964 | 0.211 | 0.073 | 0.138 | 30.3 | 3 | 4 | 60 | F |
| A965 | 0.139 | 0.061 | 0.078 | 20.3 | 3 | 4 | 62 | M |
| A966 | 0.1 | 0.095 | 0.005 | 8.2 | 1 | 1 | 62 | F |
| A967 | 0.54 | 0.262 | 0.278 | 53.6 | 4 | 4 | 64 | F |
| A968 | 0.334 | 0.06 | 0.274 | 53.0 | 4 | 4 | 30 | F |
| A969 | 0.131 | 0.062 | 0.069 | 18.8 | 3 | 3 | 50 | F |
| A970 | 0.184 | 0.045 | 0.139 | 30.5 | 3 | 3 | 60 | F |
| A971 | 0.252 | 0.095 | 0.157 | 33.5 | 3 | 4 | 50 | F |
| A972 | 0.101 | 0.093 | 0.008 | 8.7 | 1 | 1 | 63 | F |
| A973 | 0.119 | 0.023 | 0.096 | 23.3 | 3 | 4 | 23 | F |
| A974 | 0.374 | 0.107 | 0.267 | 51.8 | 3 | 4 | 73 | F |
| A975 | 0.184 | 0.033 | 0.151 | 32.5 | 3 | 3 | 52 | F |
| A976 | 0.234 | 0.049 | 0.185 | 38.1 | 3 | 3 | 53 | F |
| A977 | 0.409 | 0.27 | 0.139 | 30.5 | 3 | 4 | 62 | F |
| A978 | 0.164 | 0.023 | 0.141 | 30.8 | 3 | 3 | 31 | F |
| A979 | 0.321 | 0.172 | 0.149 | 32.2 | 3 | 4 | 65 | F |
| A980 | 0.243 | 0.095 | 0.148 | 32.0 | 3 | 3 | 38 | M |
| A981 | 0.204 | 0.056 | 0.148 | 32.0 | 4 | 4 | 34 | F |
| A982 | 0.074 | 0.069 | 0.005 | 8.2 | 2 | 2 | 70 | F |
| A983 | 0.175 | 0.033 | 0.142 | 31.0 | 3 | 3 | 23 | F |
| A984 | 0.213 | 0.073 | 0.14 | 30.7 | 3 | 3 | 60 | F |
| A985 | 0.519 | 0.167 | 0.352 | 65.9 | 3 | 4 | 45 | F |
| A986 | 0.754 | 0.287 | 0.467 | 85.1 | 5 | 5 | 66 | F |
| A987 | 0.077 | 0.071 | 0.006 | 8.4 | 2 | 2 | 61 | F |
| A988 | 0.26 | 0.076 | 0.184 | 38.0 | | 3 | 68 | F |
| A989 | 0.257 | 0.11 | 0.147 | 31.8 | 4 | 4 | 43 | F |
| A990 | 0.38 | 0.069 | 0.311 | 59.1 | 4 | 4 | 60 | F |
| A991 | 0.283 | 0.102 | 0.181 | 37.5 | 3 | 3 | 71 | F |
| A992 | 0.378 | 0.199 | 0.179 | 37.1 | 4 | 4 | 57 | F |
| A993 | 0.433 | 0.137 | 0.296 | 56.6 | 4 | 4 | 53 | F |
| A994 | 0.486 | 0.106 | 0.38 | 70.6 | 4 | 4 | 64 | M |
| A995 | 0.236 | 0.039 | 0.197 | 40.1 | 3 | 4 | 57 | F |
| A996 | 0.166 | 0.019 | 0.147 | 31.8 | 3 | 3 | 52 | F |
| A997 | 0.21 | 0.045 | 0.165 | 34.8 | 4 | 4 | 47 | F |
| A998 | 0.221 | 0.081 | 0.14 | 30.7 | 3 | 3 | 55 | F |
| A999 | 0.503 | 0.105 | 0.398 | 73.6 | 4 | 4 | 70 | M |
| A1000 | 0.333 | 0.105 | 0.228 | 45.3 | 3 | 3 | 1y2m | M |
| A1001 | 0.394 | 0.082 | 0.312 | 59.3 | 3 | 4 | 50 | F |
| A1002 | 0.455 | 0.287 | 0.168 | 35.3 | 3 | 3 | 31 | F |
| A1003 | 0.374 | 0.074 | 0.3 | 57.3 | 3 | 4 | 50 | M |
| A1004 | 0.22 | 0.062 | 0.158 | 33.7 | 3 | 4 | 21 | F |
| A1005 | 0.164 | 0.01 | 0.154 | 33.0 | 4 | 4 | 73 | M |
| A1006 | 0.516 | 0.137 | 0.379 | 70.4 | 5 | 5 | 47 | F |
| A1007 | 0.555 | 0.185 | 0.37 | 68.9 | 4 | 4 | 24 | M |
| A1008 | 0.47 | 0.087 | 0.383 | 71.1 | 5 | 5 | 45 | F |
| A1009 | 0.516 | 0.082 | 0.434 | 79.6 | 5 | 5 | 36 | F |
| A1010 | 0.659 | 0.085 | 0.574 | 102.9 | 5 | 5 | 68 | M |
| A1011 | 0.679 | 0.07 | 0.609 | 108.7 | 6 | 6 | 72 | F |
| A1012 | 0.598 | 0.064 | 0.534 | 96.2 | 5 | 5 | 51 | F |
| A1013 | 0.32 | 0.046 | 0.274 | 53.0 | 4 | 4 | 19 | M |
| A1014 | 0.425 | 0.121 | 0.304 | 57.9 | 4 | 4 | 6 | F |
| A1015 | 0.347 | 0.074 | 0.273 | 52.8 | 4 | 4 | 62 | F |
| A1016 | 0.49 | 0.07 | 0.42 | 77.2 | 4 | 4 | 56 | M |
| A1017 | 0.502 | 0.071 | 0.431 | 79.1 | 4 | 4 | 42 | F |
| A1018 | 0.598 | 0.068 | 0.53 | 95.5 | 5 | 5 | 38 | F |