






**Supplementary Materials:**

S1. Examples of medical face shields available at the markets of USA and UK. Industrial products.

N	Appearance	Producer	Price per 1 pcs	Material/Weight, g
1		Dexter, Minnesota, USA	15 USD	Undisclosed (Elastic Band and Comfort Sponge)/368.5
2		China	1.26 USD	High-quality optical and distortion-free 7mm polyester film/ Undisclosed
3		China	2.60 USD	PET visor + PC frame/80 ... 141 g
4		Plastifab Inc. AZ, USA	26.50 USD	Polycarbonate + PETG/173 g
5	<p data-bbox="347 1480 616 1552">Full face protection Manufactured in the U.K Free delivery</p>  <p data-bbox="357 1809 587 1854">Face Shield</p>	UK	7,50 GBP	PPE/Undisclosed

S2. Technical Data Sheet and Assembling Instructions.

## Full face protection shield



**1** Flap\*  
**2** forehead strip\*  
**3** elastic band

\*PET sheet

**Variants:**

A) Full size ("L") or shortened ("S") in low weight (0.3 mm) or standard (0.5 mm) variants

B) combined with protection mantle

C) with anti-slip forehead stripe to wear over Tyvek suit



**To sterilize/disinfect:**

- remove elastic band (to be incinerated)
- apply antiseptic liquid or UV
- assemble with new elastic band

✓ Supplier: Skoltech, Moscow  
 ✓ 2000...8000 sets/day\*  
 ✓ Only local materials  
 ✓ Reusable sterilizable  
 ✓ Changeable elastic bands in the kit  
 ✓ Low cost  
 ✓ Extra light

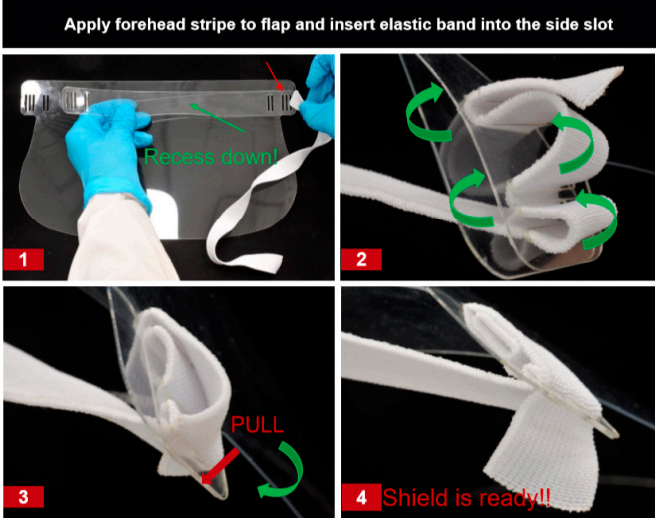
\* Limited free supply is available by request from hospitals

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(a) Technical Data Sheet.

## How to assemble? (2-3 min)

Apply forehead stripe to flap and insert elastic band into the side slot



**1** Recess down!


**2**

**3** PULL

**4** Shield is ready!!

Size and mass:

L size Light — 40 g  
 L size Standard — 53g



S size Light — 35 g  
 S size Standard — 39 g

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(b) Assembling Instructions

**S3. Institutions that performed tests of Face Medical Shields**

1. MEDSI group clinics. Moscow City, <https://medsi.ru/services/statsionar/>
2. Federal State Autonomous Educational Institution of Higher Education I. M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation (Sechenov University)  
[https://www.sechenov.ru/univers/about\\_lecturer/56202/](https://www.sechenov.ru/univers/about_lecturer/56202/)