

# Medical Cotton Swab

## 1.Product model/specification and division description

1.1 According to raw materials:

Cotton swab stick is divided into: wooden stick, plastic stick

Cotton swab cotton head is: medical skim cotton

1.2 Product specification / model number

Divits specifications according to its overall length: 6cm、7cm、8cm、9cm、10cm、11cm、12cm、13cm、14cm、15cm、16cm、17cm、18cm、19cm、20cm、21cm、22cm、23cm、24cm、25cm、26cm、27cm、28cm、29cm、30cm、20cm

The above is usually for gynecological cotton swab, cotton head is divided into: single head, double head.

Models are devided according to its minimum packing quantity: Model: 100 root / pack, 90 root / pack, 80 root / pack, 70 roots / pack, 60 root / pack, 50 / pack, 45 / pack, 40 root / pack, 35 / pack, 30 / pack, 25 / pack, 20 / pack, 15 roots / pack, 10 / pack, 8 roots / pack, 5 root / pack, 2 root / pack,

## 2. performance standard

2.1dimensional requirement

It shall meet the requirements of Table 1

Table 1

spec(cm)	L(cm)	Length tolerance ±(cm)	The diameter of the rod (mm)	The diameter tolerance(mm)	Cotton head weight (g)
6	6	1	2.5/2.3	±0.1	0.06±0.02
7	7	1	2.5/2.3	±0.1	0.06±0.02
8	8	1	2.5/2.3	±0.1	0.06±0.02
9	9	1	2.5/2.3	±0.1	0.06±0.02
10	10	1	2.5/2.3	±0.1	0.06±0.02
11	11	1	2.5/2.3	±0.1	0.06±0.02

12	12	1.5	2.5/2.3	±0.1	0.06±0.02
13	13	1.5	2.5/2.3	±0.1	0.06±0.02
14	14	1.5	2.5/2.3	±0.1	0.06±0.02
15	15	1.5	2.5/2.3	±0.1	0.06±0.02
16	16	1.5	2.5/2.3	±0.1	0.06±0.02
17	17	1.5	2.5/2.3	±0.1	0.06±0.02
18	18	2	2.5/2.3	±0.1	0.06±0.02
19	19	2	2.5/2.3	±0.1	0.06±0.02
20	20	2	2.5/2.3	±0.1	1±0.02
21	21	2.5	2.5/2.3	±0.1	1±0.02
22	22	2.5	2.5/2.3	±0.1	1±0.02
23	23	2.5	2.5/2.3	±0.1	1±0.02
24	24	2.5	2.5/2.3	±0.1	1±0.02
25	25	2.5	2.5/2.3	±0.1	1±0.02
26	26	2.5	2.5/2.3	±0.1	1±0.02
27	27	2.5	2.5/2.3	±0.1	1±0.02
28	28	2.5	2.5/2.3	±0.1	1±0.02
29	29	2.5	2.5/2.3	±0.1	1±0.02
30	30	2.5	2.5/2.3	±0.1	1±0.02

2.1.2 Packaging loading allows ± 5% mechanical count error

2.2 Defat cotton requirements

2.2.1 The quality of skim cotton swab shall meet the requirements of YY / T0330-2015, hold 《the Medical Device Registration Certificate》, and pass the factory inspection conclusion;

2.2.2 Cotton fiber of cotton swab should be soft, white, odorless, no

macular, stains, foreign matter.

### 2.3 Bar material requirements

The surface of the cotton stick should be smooth, no burr, no stains and foreign matter;

### 2.4 Cotton head pull out force

Cotton sticky coil should be tight inside and loose outside, can withstand 100g tensile cotton head incomplete fall off;

### 2.5 Anti-bending performance

The bar shall be able to withstand 200g external force without permanent deformation or breaking phenomenon.

### 2.6 Sterile

The medical cotton swab shall be sterile after the confirmed sterilization process.

### 2.7 The residual amount of cycloethane

Medical cotton swabs must be sterilized by ethylene oxide, and the residual amount of ethylene oxide should be less than or equal to 10 ug / g before delivery.

## 3 Empirical method

### 3.1 Dimension

Take 30 cotton swabs for general measuring tools or special measuring tools, which shall comply with the provisions of Table 1.

### 3.2 Skim cotton

3.2.1 Conduct the test according to the corresponding method of YY / T0330-2015, it shall comply with the provisions of 2.2.2 10g of skim cotton swab for visual inspection or nasal smell, which shall comply with the provisions of 2.2.2

### 3.3 Extrinsic feature

20 cotton swabs shall comply with the provisions of 2.3.

### 3.4 Cotton head pull out force

Take 10 swabs for tension test, which shall comply with the provisions of 2.4

### 3.5 Anti-curvature performance

Take 10 cotton swabs, fix both ends, and conduct the tension test on the middle position of the cotton stick with a tension gauge, which shall comply with the provisions of 2.5.

### 3.6 Sterile

Conduct the test according to the method specified in Chapter 3 of GB / T 14233.2-2005, and the result shall comply with the requirements of Article 2.6

### 3.7 Ethylene oxide residue amount

Conduct the test according to the method specified in Chapter 9, Chapter 9 or Chapter 10 in GB / T 14233.1-2008, and the result shall comply with the requirements of Article 2.7