



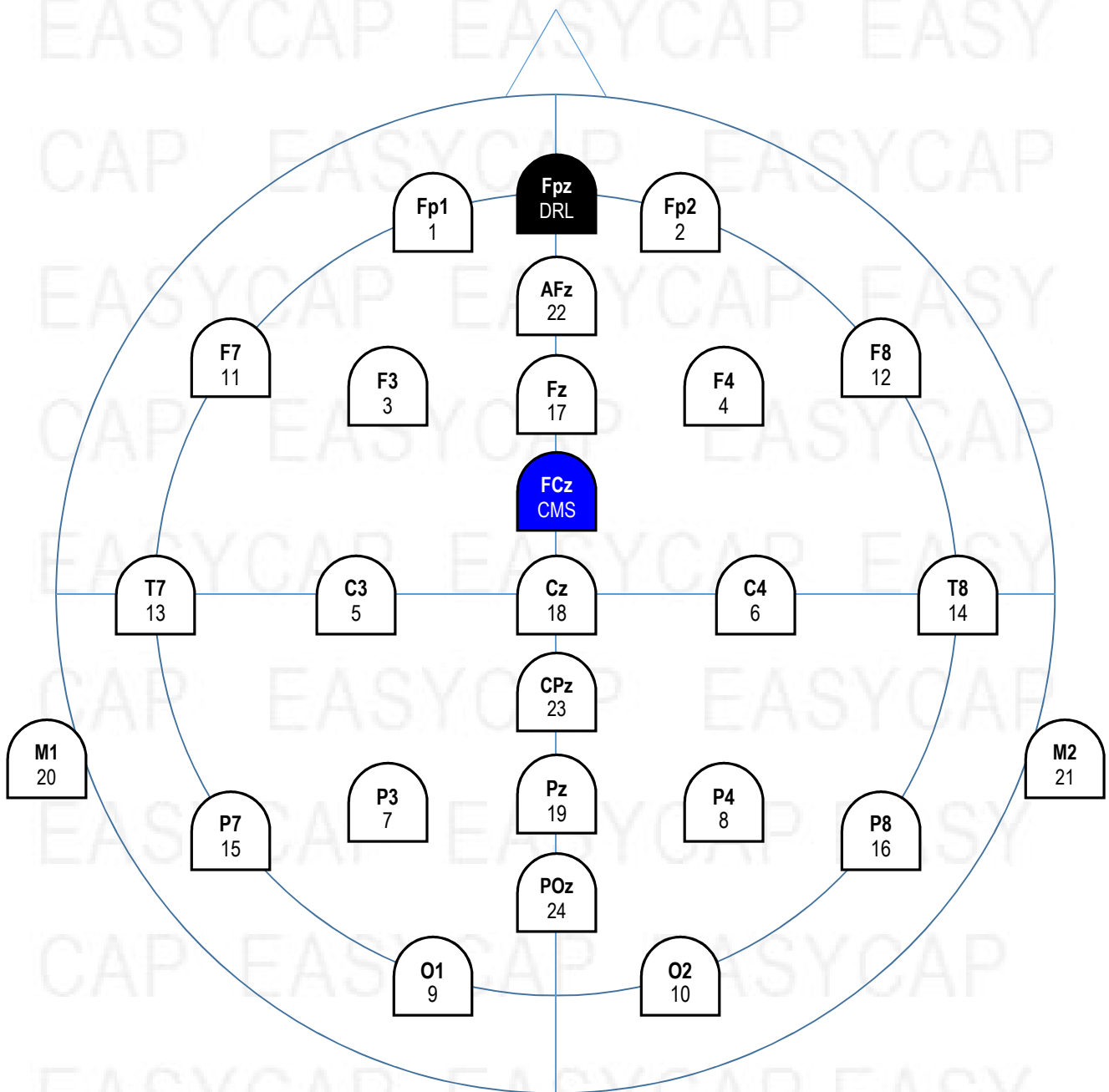
EASYCAP

EEG Recording Caps and Related Products

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Cap for Real-Behavior-EEG, 24Ch Neutral Layout, for Smarting



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Details for Users

Ordering Information

For ordering please give Article Number, Cap Cut, and Size (Example: **RBE-24-STD, Caucasian, 58**):

- Article Number: **RBE-24-STD**
- Cap Cut: **Caucasian** or **Asian**
- Size (given in cm head circumference):
 - Adult caps: **54, 56, 58, 60, 62, 64** (average male: 58, average female: 54)
 - Children caps: **50** (5 years), **52** (7 years), **54** (11 years)
 - Infant caps: **36** (newborn), **38, 40** (3 months), **42, 44** (7 month), **46, 48** (3 years)

The catalogue-number comprises the cap as described, serial number, and this document; all packed in a labelled cardboard box. For further information about accessories or consumables please visit our website or contact our local distributor.

Cap

Black SubInion Cap with integrated chin belt, High Comfort Fabric, with rubber bands below Oz to hold the amplifier and a velcro patch. The Velcro is to hold a tornister additionally to the rubber bands (see below).

Options: Caucasian or Asian, Size

Electrodes

All electrodes are Multitrodes with sintered Ag/AgCl sensors. They are buttoned directly into the cap (total height 3,5 mm).

All electrodes are number-labelled at the sensor end.

The cables are threaded in and out of the cap and meet occipitally in a common connector.

Tornister

If your experimental design includes violent movements, it is recommended to secure the amplifier additionally to the rubber bands by putting it into a Velcro-attachable tornister. The tornister is needed once per amplifier, not per cap, and can be ordered separately.

Theta/Phi-Coordinates

Please find a table with Theta/Phi-Coordinates of all electrode sites at the end of this file.

Note

It is important in daily usage to protect the connector at the end of the electrode cables against contact with electrolyte gel during cap mounting and removal, and against water during cleaning.

Table of Coordinates

Pin-Number	Channel-Number	Name	Theta	Phi
11	1	Fp1	-90	-72
9	2	Fp2	90	72
7	3	F3	-60	-51
5	4	F4	60	51
3	5	C3	-45	0
1	6	C4	45	0
2	7	P3	-60	51
4	8	P4	60	-51
6	9	O1	-90	72
8	10	O2	90	-72
10	11	F7	-90	-36
12	12	F8	90	36
14	13	T7	-90	0
16	14	T8	90	0
18	15	P7	-90	36
20	16	P8	90	-36
22	17	Fz	45	90
24	18	Cz	0	0
26	19	Pz	45	-90
25	20	M1	-120	18
23	21	M2	120	-18
21	22	AFz	67	90
19	23	CPz	22	-90
17	24	POz	67	-90
15	CMS	CMS	23	90
13	DRL	DRL	90	90

These values are standardized to a Theta of 90° for the plane through Fpz, T7, T8, Oz.

The signs follow this convention:

