

# Technical specification

## Plastination laboratory

Participant's offer must meet all the requirements and parameters specified by Contracting Authority hereunder. In the case of parameters defined by a minimum or maximum level or range of values, Participant's offer must reach at least the specified required level.

Contracting Authority requires complete equipment for a Plastination laboratory for the creation of human plastinates, i.e. supply, assembly, and installation of technical equipment necessary to create plastinates of human organs, body structures, and tissues. **Furthermore, Contracting Authority requires a basic set of chemicals necessary for the creation of plastinates.**

A proposal for the composition of the Plastination laboratory shall be submitted by Participant, but the Plastination laboratory must consist of at least the following mutually compatible equipment:

- Freezer for plastination with a capacity of at least 800 litres (min. 2 pieces);
- Stainless-steel container for the preservation of biological samples during their dehydration and degreasing with a capacity of at least 150 litres, including a stainless-steel drip grid liner (min. 3 pieces);
- Acetonometer with 0–100% scale (min. 1 piece);
- Acetonometer with fine scale 90–100% (min. 1 piece);
- Plastination boiler with a minimum capacity of 100 litres for the impregnation process (min. 1 piece);
- Vacuum pump of adequate capacity for the size of the plastination boilers and freezers (min. 1 piece), including vacuum and oil adjustment unit for the vacuum pump;
- Condensation and collection vessel for extracted solvent and oil vapours of at least 20-litre capacity (min. 1 piece);
- Pressure gauge (min. 1 piece);
- Gas curing unit with explosion protection (min. 1 piece);
- Electric acetone transfer pump with explosion protection (min. 1 piece).

The entire Plastination laboratory designed by Participant and meeting the above minimum requirements of Contracting Authority shall be designed to be feasible and suitably located in the Contracting Authority designated premises for the implementation of the Plastination laboratory – see annexed Technical Drawing of the Floor Plan.

Annex:      Technical Drawing of the Floor Plan for the Plastination Laboratory (in Czech language only)