

Silantes OD media are rich growth media for the expression of stable isotope labelled protein. The media are available in all combinations of the stable isotopes  $^2\text{H}$ ,  $^{13}\text{C}$  and  $^{15}\text{N}$ . They are formulated for increasing cell densities (optical densities measured at 600nm) containing hydrolysates with increasing concentrations. These OD-values are determined with common yeast stains such as *P.pastoris*.

The following instructions are applicable for

**OD 1**

**OD 2**

**OD 4**

**OD 5**

**OD 10**

The Silantes OD 10 media concentrates are used to prepare customized media with respect to the final desired cell density (OD1, OD2, OD4 or OD5).

### Operating instructions for Silantes OD10 Media Concentrate for Yeast

To prepare customized Yeast media, proceed as follows. Use the appropriate amounts of ingredients as indicated in the table below in order to assure that the salt concentration is correct. \*

1. Prepare sterile  $\text{H}_2\text{O}$  /  $\text{D}_2\text{O}$
2. Add the salt mix
3. Add the  $\text{MgSO}_4$
4. Add the Silantes OD10 Media concentrate

Salt mix (20x),  $\text{MgSO}_4$  (100x) and  $\text{D}_2\text{O}$  can be purchased from Silantes.

Desired Cell Density ( $\lambda=600\text{nm}$ )	OD2	OD3	OD4	OD5
Silantes OD10 Media (Concentrate) [mL]	200	300	400	500
Salt mix (20x) [mL]	50	50	50	50
$\text{MgSO}_4$ (100x) [mL]	10	10	10	10
$\text{H}_2\text{O}$ / $\text{D}_2\text{O}$ [mL]	740	640	540	440
Total volume [mL]	1000	1000	1000	1000

\* If working with deuterated concentrate: Please note that all ingredients need to be deuterated to avoid a decrease in the isotopic purity of the final product.

*This product is for laboratory use only. The safety and efficacy of this product in diagnostic or other clinical uses is not established.*