



Data Sheet for basic design based on Mutag BioChip™ high-performance carrier media

Your company's name:

Project code / reference:

Please answer points 1. to 8. Red-framed boxes are obligate.

1. What type of biofilm process is required? (Please tick the appropriate box.)			
MBBR		IFAS	
2. Wastewater parameters			
Parameter	Unit	Influent (Design values!)	Required effluent quality
Flow rate	(m ³ /d) (m ³ /h)		
Wastewater design temperature	(°C)		
pH	(-)		
BOD5	(mg/l)		
COD	(mg/l)		
TSS	(mg/l)		
NH ₄ -N (Total ammonium N)	(mg/l)		
TKN (Total Kjeldahl N)	(mg/l)		
TN (Total N)	(mg/l)		
Additional parameters: (please indicate, if necessary)			
3. Type of wastewater (Please tick the appropriate box.)			
municipal / domestic		industrial	
Type of industry:			

4.	Pre-treatment of the wastewater		
4.1	Is there a pre-treatment stage foreseen / existing? <i>(Please tick the appropriate box.)</i>		
	Yes.	No.	
	<i>- Please answer 4.2 and 4.3 -</i>	<i>- Please proceed to 5. and DO NOT answer 4.2 and 4.3 -</i>	
4.2	The influent parameters on the first page refer to...: <i>(Please tick the appropriate box.)</i>		
	...the raw wastewater (i.e. upstream of the pre-treatment stage).		
	...the pre-treated wastewater or direct influent to the MBBR stage.		
4.3	Type of pre-treatment: <i>(please indicate; e.g. clarifier / flotation / screen / oil & grease trap, etc.)</i>		
5.	Site requirements		
5.1	Water level which is foreseen / required / existing in the tank:		meters
5.2	Preferred tank shape: <i>(Please tick the appropriate box.)</i>		
	circular tank	rectangular tank	
5.3	Site elevation, if known:		meters
	Are there any space limitations on site? If yes, please indicate:		
6.	What are the most crucial criteria in the project? <i>(Please rank them accordingly.)</i>		
	important	less important	negligible
	Small footprint		
	Low investment costs		
	Low operational costs		
	Further important project criteria:		

7. Miscellaneous / Remarks:

8. What information is supposed to be included in our basic design proposal for your project? (Multiple answers admissible.)

calculation of the Mutag BioChip™ quantity required in total in the project, incl. commercial offer

calculation of the required active volume of the reaction tank

oxygen uptake rate (OU_h or OU_d) as per German ATV 131