



## Identification Service

Authentication with regard to human cell lines means verification of correct identity. Thus, page 2 of this form should indicate the correct cell line origin/name instead of blinded samples. The form should be printed, signed and included with the sample(s). Use of the e-mail button will send your order in advance ensuring that results of analysis should be available within 5 working days.

### Costs of Analyses:

**Authentication:** STR DNA typing is carried out by using 8 different and highly polymorphic short tandem repeat (STR) loci according to the guidelines published recently (ANSI/ATCC ASN-0002-2011. Authentication of Human Cell Lines: Standardization of STR Profiling. ANSI eStandards Store, 2012). Furthermore, we test all samples for presence of mitochondrial DNA sequences from rodent cells as mouse, rat, Chinese and Syrian hamster species.

**Species Speciation/Identification:** DNA Barcoding is carried out by amplification and direct sequencing of 658 bp of the 5'-translated region of Cytochrome C Oxidase I (COI) gene.

Total cost of analysis including a full documentation, report and interpretation of results, and STR or COI sequence data is **220 €/sample**. Although the DSMZ is a non-profit institute we are able to offer sales discount upon large sample amounts (>20).

### Shipment:

DSMZ is required to assess the risk level status of genetically modified cell lines of all samples prior to receipt. In the case of genetically modified organisms of risk level 1 or 2 (S1/S2) from foreign countries, we recommend shipment of isolated genomic DNA since DNA is not subject to the German "Gentechnikgesetz".

**Cryopreserved cell cultures:** Ampoules should contain  $1 \times 10^5/4 \times 10^6$  (min/max) of cells in storage media. Shipment on dry ice should be sent using a courier service not later than Wednesday to ensure same-week delivery.

**Isolated DNA:** DNA samples should contain ~20 µl of 10 - 100 ng/µl of non-degraded genomic DNA and should be sent in safe-lock tubes in a padded envelope (jiffy bag) at ambient temperature to the address below:

Leibniz-Institute DSMZ  
Molecular Biology Group -Identification Service -  
Dr. Wilhelm Dirks  
Inhoffenstr. 7B  
D-38124 Braunschweig

+49-(0)531-2616-166

[Wilhelm.Dirks@dsmz.de](mailto:Wilhelm.Dirks@dsmz.de)

Proxy:

Mrs. Silke Fährnich  
+49(0)531-2616-166

[Silke.Faehnrich@dsmz.de](mailto:Silke.Faehnrich@dsmz.de)



**Identification Service  
Submission Form**

Name \_\_\_\_\_

Institute/Company \_\_\_\_\_

Department \_\_\_\_\_

Street \_\_\_\_\_

Postal code and City \_\_\_\_\_

Country \_\_\_\_\_

E-mail \_\_\_\_\_

Telephone/Fax \_\_\_\_\_

(Your purchase order no.) \_\_\_\_\_

Report language      english                  german                  -----

**date/signature**

#	sample name	S	C	#	sample name	S	C	#	sample name	S	C
		T	O			T	O			T	O
		R	I			R	I			R	I
1				8				15			
2				9				16			
3				10				17			
4				11				18			
5				12				19			
6				13				20			
7				14				21			

