

Strain identifier

BacDive ID: 5174 **DOI:** 10.13145/bacdive5174.20191129.4.1
Type strain: yes **Designation:** P288
Culture col. no.: DSM 7532, ATCC 8700, CCUG 49022, CIP 82.50, NCTC 12985

Sections

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Name and taxonomic classification

Ref.: 3205	Domain	Bacteria
Ref.: 3205	Phylum	Proteobacteria
Ref.: 3205	Class	Gammaproteobacteria
Ref.: 3205	Order	Enterobacteriales, not validated
Ref.: 3205	Family	Enterobacteriaceae
Ref.: 3205	Genus	Shigella
Ref.: 3205	Species	Shigella boydii
Ref.: 3205	Full Scientific Name	Shigella boydii Ewing 1949
Ref.: 3205	Designation:	P288
Ref.: 3205	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Gammaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 55:2235
Ref.: 20215	Family	Enterobacteriaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Genus	Shigella

Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Species	<i>Shigella boydii</i>
Ref.: 20215	Taxonomical status	species (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Full Scientific Name	<i>Shigella boydii</i> Ewing 1949

Morphology and physiology

Ref.: 3205

API 20E

API ID	6383
ONPG	-
ADH (Arg)	-
LDC (Lys)	-
ODC	-
CIT	-
H ₂ S	-
URE	-
TDA (Trp)	-
IND	-
VP	+
GEL	-
GLU	+
MAN	+
INO	-
Sor	-
RHA	-
SAC	-
MEL	-
AMY	-
ARA	+
OX	-
NO ₂	n.d.
N ₂	n.d.
MOB	n.d.
MAC	n.d.
OF-O	n.d.
OF-F	n.d.

Ref.: 58445 **Oxygen tolerance** aerobe

Culture and growth conditions

Ref.: 3205 **Culture medium** CASO AGAR (MERCK 105458) (DSMZ Medium 220), 37°C

Ref.: 3205 **Culture medium growth** yes

Ref.: 3205 **Culture medium link** https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium220.pdf

Ref.: 40739 **Culture medium** MEDIUM 72- for trypto casein soja agar

Ref.: 40739 **Culture medium growth** yes

Ref.: 40739 **Culture medium composition** Distilled water make up to (1000.000 ml);Trypto casein soy agar (40.000 g)

Temperatures

Ref.: 3205

Ref.: 40739

Ref.: 58445

Kind of temperature	Temperature
growth	37 °C
growth	30 °C
growth	37 °C

Ref.: 3205 **Temperature range** mesophilic

Ref.: 40739 **Temperature range** mesophilic

Ref.: 58445 **Temperature range** mesophilic

Isolation, sampling and environmental information

Ref.: 3205 **Country** India

Ref.: 3205 **Continent** Asia

Application and interaction

Ref.: 3205 **Biosafety level** 2 Risk group (German classification)

Molecular biology

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 20218	Marker Gene (GenBank Direct submission)	Shigella boydii strain ATCC 8700 internal transcribed spacer 1, complete sequence	AY116925	446	621

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Ref.: 20218	Marker Gene (GenBank Direct submission)	<i>Shigella boydii</i> strain ATCC 8700 gyrase B (gyrB) gene, partial cds	AY370868	506	621	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	<i>Shigella boydii</i> ATCC 8700 6-phosphogluconate dehydrogenase (gnd) gene, partial cds	U14469	1335	621	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	<i>Shigella boydii</i> insertion element IS1SB repressor (insA) and transposase (insB) genes, complete cds	U96388	1100	621	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	<i>Shigella boydii</i> partial 16S rRNA gene, strain P288	HF558388	1515	621	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	<i>Shigella boydii</i> strain DSM 7532 disrupted tna operon, complete sequence; and insertion sequence IS1, complete sequence	EF445893	2814	621	*

Strain availability

[Ref.: 3205](#) **Culture collection no.** DSM 7532, ATCC 8700, CCUG 49022, CIP 82.50, NCTC 12985

[Ref.: 3205](#) **Strain history** <- ATCC <- NCTC <- AMC (*Shigella paradysenteriae*) <- J. Boyd; P288

Associated Passport(s) in StrainInfo

[Ref.: 20218](#) 160905 - <http://www.straininfo.net/strains/160905>

[Ref.: 20218](#) 94813 - <http://www.straininfo.net/strains/94813>

References

[Ref.: 3205](#) Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 7532

[Ref.: 20215](#) D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.

[Ref.: 20218](#) Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)

[Ref.: 40739](#) None; Curators of the CIP; None

[Ref.: 58445](#) Culture Collection University of Gothenburg (CCUG); Curators of the CCUG; CCUG 49022

* **These References are textmined**

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